20000810.qrp v01_n909.qrl.20000810

Date: Thu, 10 Aug 2000 19:03:07 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1909

QRP-L Digest 1909

Topics covered in this issue include:

by Ray Colbert <w5xe@juno.com>
20) [77023] CONTEST: QRP Contesting - Aug 12/13
by Ken Newman <N2CQ@citnet.com>
21) [77024] Compaq 4131T Laptop Help Needed
by Chuck Adams <k7qo@primenet.com>
22) [77025] FS for a friend
by "Geoff QRP-L mailing list" <geoffqrp@wormhole2.com>
23) [77026] Re: Santa Cruz/Watsonville/Monterey
by stan@cruzio.com
24) [77027] Re: Phased verticals
by "Paul Harden, NA5N" <na5n@rt66.com>
25) [77028] Need circuit help
by KD1YV <kd1yv@mindspring.com>
26) [77029] Re: FS: ant, mobile rig...misc.
by "Rod, N0RC" <n0rc@qsl.net>
27) [77030] Re: SMD soldering trick
by brian_jones@uk.ibm.com
28) [77031] FS: Pristine MFJ 9020 with accessories
by Jerry Albertin <kg2jf@juno.com>
29) [77032] CLUB: WestFLA Meeting This Saturday, 12 August 2000
by "Stephen D. Cohen" <scohen@tampabay.rr.com>
30) [77033] USI contest
by Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>
31) [77034] Re: "no-see-um" antenna
by "Mike Yetsko" <myetsko@insydesw.com>
32) [77035] Re: "no-see-um" antenna
by "Scott Hotchkiss" <w4pj@bellsouth.net>
33) [77036] Re: CLUB: WestFLA Meeting This Saturday, 12 August 2000
by Macstein@aol.com
34) [77037] [Fwd: Hurricane Freq's...Print out....]
by wlfisher@bellatlantic.net
35) [77038] RE: Phased verticals
by n2cx@voicenet.com
36) [77039] Re: Phased verticals
by David Heintzleman <pstrdave@kdsi.net>
37) [77040] RE: Teaching 5 WPM Code
by Bill Coleman AA4LR <aa4lr@radio.org>
38) [77041] RE: Teaching 5 WPM Code
by "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net>
39) [77042] PIC Frequency Counters
by "Brad Hernlem" <alihernlem@hotmail.com>
40) [77043] Results: free to a good home...
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
41) [77044] Re: Results: free to a good home...
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
42) [77045] OT: Ham Radio Links
by Euramcom <mel@euramcom.freeserve.co.uk>
43) [77046] Use of a Tuner

Date: Wed, 9 Aug 2000 16:43:54 -0700
From: Radman <radman@best.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [77004] FS - cap kits
Message-ID: <01C00221.0B47B900@radman.vip.best.com>

Gang,

I have some excess caps, neatly bagged, that I was considering kitting-up for those in need of them. This is nice stock, full leads, with the exception of two offerings that are lead-prepped, but very usable. I have enough stock for 10 cap kits consisting of 21 values = 729 caps. How about $9.50 shipped to your door via US Priority! The inventory per kit follows below. I will need 10 committed people who want to buy before I can make it a 'go.' :)

Please reply direct to me with the subject "FS - cap kits."

Tnx & 73,

Conrad Weiss - NN6CW

Cap Kit Inventory:

Quantity = 60 - 10pF, 500V, 10%, Mono-Ceramic Epoxy
Quantity = 70 - 30pF, 500V, 10%, Mono-Ceramic Epoxy
Quantity = 40 - 314pF, 20%, 500V, Mono-Ceramic Epoxy (leads crimped - long)

Quantity = 70 - 680pF, 5%, 300V, Mono-Ceramic Epoxy (leads prepped 0.25")

Quantity = 10 - 0.001uF, 10%, 50V, Mylar (1,000pF)
Quantity = 40 - 0.0015uF, 100V, 10%, Poly Film (1,500pF)
Quantity = 40 - 0.0018uF, 20%, 50V, Mylar (1,800pF)
Quantity = 10 - 0.0018uF, 10%, 100V, Poly Film (1,800pF)
Quantity = 70 - 0.0022uF, 20%, 3KV, Ceramic Disc - Z5U (2,200pF)
Quantity = 100 - 0.0039uF, 10%, 100V, Poly Film (3,900pF)
Quantity = 30 - 0.033uF, 20%, 200VDC, Tubular cap (axial leads)
Quantity = 15 - 0.033uF, 20%, 100WV, Mono Ceramic
Quantity = 15 - 0.047uF, 10%, 50VDC, Mylar
Quantity = 25 - 0.047uF, 20%, 50V, Mono Ceramic

Quantity = 20 - 0.01uF, 10%, 100V, Mono Ceramic

Quantity = 15 - 0.22uF, 20%, 50V, Mylar
Quantity = 60 - 0.22uF, 20%, 50V, Mono Epoxy
Quantity = 10 - 0.30uF, 20%, 50V, Ceramic Epoxy
Quantity = 15 - 0.47uF, 10%, 400V, Mylar

Quantity = 4 - 0.68uF, 10%, 100V, Mylar
Quantity = 10 - 2.2uF, 10%, 250V, Mylar

Total count = approx 729 caps per kit.

Plus - the mandatory bag of cool-mystery-surprise parts !!

   ****

Date: Wed, 9 Aug 2000 17:51:19 -0600
From: "Rod, N0RC" <n0rc@qsl.net>
To: fpqrp@egroups.com, qrp-l@Lehigh.EDU
Subject: [77005] FOX - Sunday's hunt could be rough...
Message-ID: <20000809175119.B9022@io.frii.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Unwelcome ness after Sunday's SSB 'test troubles...

Space Weather News for August 9, 2000
http://www.spaceweather.com

SOLAR ACTIVITY: The Solar and Heliospheric Observatory recorded a
full-halo coronal mass ejection today from sunspot group 9114, near
the center of the Sun's visible disk. Material from the eruption
could trigger geomagnetic activity when it arrives in the vicinity
of Earth in approximately three days.

73, Rod N0RC

Date: Wed, 9 Aug 2000 19:56:49 -0400
From: "Harry Hurst" <hhurst@delanet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [77006] Re: Antennas vs powerlines
Message-ID: <000f01c0025d$7c49cf80$2851e2d8@upstairs>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Power lines will win every time. Besides, who wants to be featured on the
alt.tasteless newsgroup?

Date: Wed, 9 Aug 2000 20:04:38 -0400
From: "Ed Tanton" <n4xy@att.net>
To: "QRP-L Reflector" <qrp-l@Lehigh.EDU>
Cc: "CW Reflector" <cw@qth.net>
Subject: [77007] FW: Meteors and a Full-halo Coronal Mass Ejection
Message-ID: <CKEGICNFDIMCEKEDCEHFMEANDJAA.n4xy@att.net>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

So... in three days: another one of these...

-----Original Message-----
From: SpaceWeather.com [mailto:express@spacescience.com]
Sent: Wednesday, August 09, 2000 7:09 PM
To: Space Science News
Subject: Meteors and a Full-halo Coronal Mass Ejection

Space Weather News for August 9, 2000
http://www.spaceweather.com

SOLAR ACTIVITY: The Solar and Heliospheric Observatory recorded a full-halo coronal mass ejection today from sunspot group 9114, near the center of the Sun's visible disk. Material from the eruption could trigger geomagnetic activity when it arrives in the vicinity of Earth in approximately three days.

NEW ONLINE METEOR COUNTS: As part of our expanding coverage of meteor and comet activity, spaceweather.com will now feature daily meteor counts reported by a network of observers across North America. The daily-updated data includes visual and radio meteor detections.

COMET LINEAR: A new picture from the ESO Very Large Telescope shows mini-comets inside Comet LINEAR's disintegrating core.

For images, animations and expanded coverage of these items, please visit
http://www.spaceweather.com

SpaceWeather.com

Date: Wed, 9 Aug 2000 20:18:18 -0400
From: "Cameron C.R. Bailey" <cbailey@wjtl.net>
To: <myetsko@insydesw.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [77008] Re: "no-see-um" antenna
Message-ID: <003d01c00260$7cd936e0$b0212940@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yeah, that's it, a weather station, you know every decent QSO includes a weather report!

To make you wire invisible is one thing, but remember, if you get a heavy snow, it tends
to stick to the wire....and pile up on it! My "no-see-um" wires were very visible when the
wet, heavy snow piled up on them!   But hey, they stayed up, and that is what counts.

kt3a

----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, 09 August, 2000 10:25
Subject: Re: "no-see-um" antenna

>
> Hmm, you know... Will they allow a weather station? You could always
> put up a 10foot PVC pipe for example with a little dome on it and say
> it's
> a weather station. Feed coax up the middle of the pipe, and at the top
> put a balun and feed the wire to either side. (Hey, it's not an
> 'antenna',
> it's the GUYS for the weather station!) We're talking QRP right? So
> the wire and the balun can be QUITE small....
>
> You might be able to call it even something else. Maybe even make it
> legitimately a light pole or something...
>
> Mike

Date: Wed, 09 Aug 2000 17:22:27 -0700
From: Mighty Mik <mightymik2@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [77009] construction: cut off disks...
Message-ID: <4.3.2.7.0.20000809171508.00b578a0@24.0.0.70>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

In cutting up some PC board, i'm using a Dremel w/ the cut off disk
attachment. It works, except for the famous fragility of the disks
themselves. I'm aware of some tougher 3rd party disks, but i don't have any
info. Anyone else know of these? They may come from one of the model
airplane sources, like Hobby Lobby.

The board is for some NB6M paddles.

Date: Wed, 09 Aug 2000 20:44:18 -0400
From: david fouchey <dafouchey@home.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77010] Re: construction: cut off disks...
Message-ID: <3991FAE2.57D31289@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

that would make TWO of us interested in more durable cut off disks..

Dave
WA4EMR/8

Mighty Mik wrote:
>
> In cutting up some PC board, i'm using a Dremel w/ the cut off disk
> attachment. It works, except for the famous fragility of the disks
> themselves. I'm aware of some tougher 3rd party disks, but i don't have any
> info. Anyone else know of these? They may come from one of the model
> airplane sources, like Hobby Lobby.
>
> The board is for some NB6M paddles.

Date: Wed, 9 Aug 2000 20:48:47 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <mightymik2@home.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [77011] Re: construction: cut off disks...
Message-ID: <001501c00264$c17c2e20$0600a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Wal-Mart sells a 'workalike' disk that's woven fiberglass covered
with an abrasive. I think they are about $10 a pack.

They aren't Wal-Mart brand, and I can't remember whose they
are. But I know right where they are in the hardware section.

These 'wear' quite fast, but they just don't break.

I've cut off bolts, and even sliced 2x2 angle iron with them.

Mike

> In cutting up some PC board, i'm using a Dremel w/ the cut off disk
> attachment. It works, except for the famous fragility of the disks
> themselves. I'm aware of some tougher 3rd party disks, but i don't have
any
> info. Anyone else know of these? They may come from one of the model
> airplane sources, like Hobby Lobby.
>
> The board is for some NB6M paddles.

Date: Wed, 09 Aug 2000 20:58:42 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l@lehigh.edu
Subject: [77012] Re: construction: cut off disks...
Message-ID: <3.0.6.32.20000809205842.0079d840@vmspop.rit.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

(Apologies to the list - I don't remember if my previous response went here, or
direct to the first sender.)

Dave,

I had some Dremel-style cutoff disks I got at Sears, that looked like tar-impregnated burlap circles about 1.25 inches across. They had a crosshatch pattern of fibers, and held an abrasive resin. They're slightly flexible and don't break like the carbide disks. They also wear away as you use them, but they're cheaper, too. They'll cut heat-treated stainless stell, too - a lot better than the carbide would.

Dave

At 08:44 PM 8/9/00 -0400, you wrote:
>that would make TWO of us interested in more durable cut off disks..
>
>Dave
>WA4EMR/8
>
>Mighty Mik wrote:
>>
>> In cutting up some PC board, i'm using a Dremel w/ the cut off disk
>> attachment. It works, except for the famous fragility of the disks
>> themselves. I'm aware of some tougher 3rd party disks, but i don't have any
>> info. Anyone else know of these? They may come from one of the model
>> airplane sources, like Hobby Lobby.
>>
>> The board is for some NB6M paddles.
>

Date: Wed, 9 Aug 2000 18:03:11 -0700
From: Radman <radman@best.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [77013] FS- cap kits - SOLD -- SOLD -- SOLD !!
Message-ID: <01C0022C.174CCE60@radman.vip.best.com>

Gang,

The cap kits are all SOLD !! Thanks to all :) !

Wish I had more components for more kits, but all 10 kits sold-out quickly!

Thanks for the overwhelming response!

73,

Conrad Weiss - NN6CW

Date: Wed, 9 Aug 2000 19:04:23 -0600
From: "Rod, N0RC" <n0rc@qsl.net>
To: qrp-l@Lehigh.EDU, NCARC <ncarc@qth.net>
Subject: [77014] FS: ant, mobile rig...misc.
Message-ID: <20000809190422.A9994@io.frii.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Mid-summer Shack Down-sizing Extravaganza.

Most of this stuff has not been used for over six months, nor do
I see a need for it in the next six months. So away it goes!

- -

Arrow II satellite antenna 144/440, split boom, with duplexer and
carrying carry. Like new $125

Full specs at:

http://hometown.aol.com/Arrow146/146-437.html

- -

Icom IC-207H 2 meter/440 MHz Dual Bander -- Like New $250 (firm)

o Dimensions: 5.5 (W), 1.6 (H), 8.4 (D), 3.1 lb

o Faceplate Dimensions: 4.35 (W), 1.5 (H), 1.1 (D) in.

o 50 Watts of Power on VHF, 35 Watts on UHF

o Works One Band at a Time! Switch Between Bands with a Touch of
   the Large Blue Button

o Transmit 144-148 MHz and 440-450 MHz

o Wideband Receive includes Air Band: 118-174 MHz, 440-450 MHz

o 9600 Baud Packet Ready

Fulls Specs at:

http://www.icomamerica.com/amateur/dualmobile/index.html

- -

MH-C777 Universal Charger, Like New $35

Will rapid charge nearly any types of rechargeable NiCD and NiMH
battery packs in just a few hours with auto trickle charge.
Utilizes latest movable pin technology

Full Specs at:

http://www.mahaenergy.com/products/chargers/mhc777.htm

- -

All items come with manuals & accessories originally supplied, and
most have the manufacture's packaging.

Items not sold by 8am Sun will be offered on eBay.

73, Rod N0RC

Date: Wed, 09 Aug 2000 21:43:51 -0400
From: Clay N4AOX <wyn@worldnet.att.net>
To: Drbob92031@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77015] Re: "no-see-um" antenna
Message-ID: <399208D7.39D20310@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

In W1FB's Antenna Book he wrote "Invisible wire antennas can
be made
more obscure if we paint them with gray, light blue and
black paint.
Alternate the colors every six or eight inches. Spray-can
paint may
be used, or you can apply the paint with an artist's brush
from paint
cans. Exterior enamel paint is best...". I always found
Doug's
advice to be dependable.

72/73,

Clay N4AOX

Drbob92031@aol.com wrote:
>
> Help-with information
> I am moving into a home in a community that forbids antennas. A no-see-um of
> #28 wire for a dipole to work all HF is fine but to feed it with 300 ohm
> ribbon line may make the no-see-um very see-um. Any thoughts please. I do not
> wish to put up the ribbon line every time I wish to operate. How visible is
> the ribbon line? etc.
> 72/73 de wa2eaw..Bob

Date: Wed, 09 Aug 2000 21:10:09 -0500
From: david gauding <nf0r@slacc.com>
To: qrp-l@lehigh.edu
Subject: [77016] Re: Black Widow -- a different way?
Message-ID: <4.3.2.7.0.20000809175613.00b35710@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello Steve,

Now that's an interesting and creative approach to the mount for an
SD-20/Black Widow. I will definitely look into it as another builder's
option for the original SLV project.

The original SLV mount was designed to be simple yet serviceable. It works,
is very light by comparison to other mounting assemblies and transports
easily. Unfortunately, it isn't as stable as I would like hence the
eventual conversion to the gutter or landscaping spike.

I believe the best mount out there for the collapsible poles is the
earliest version of one Vern Wright designed for his SLV/W6MMA coil mods.
Unfortunately, it too tends to fill with water and the protective foam
cushion inside for the nested sections retains moisture, which in turn
corrodes/rusts the antenna connectors. Livable but annoying.

With this in mind, I came up with something called the St. Louis Mount to
use with a St. Louis Express Vertical (SLX) and most recently a NorCal
Doublet. The mount starts with a seven inch 1.25" dia. pvc which is
force-fitted internally with a full-length black delrin plug. This bottom
sub-assembly holds a well-sharpened 12" gutter spike.

Then a pvc coupler connects the another five inch 1.25" dia pvc pipe to the
top of the bottom assembly. This is reamed out to take the base of the

SD-20 pole, after the reinforcing shell on the butt section has been removed. The Black Widow may be a little narrower and thus fit without machining. I have to check this out.

The feedpoint is a removable double-sided pvc disk fitted for a bulkhead antenna connector of choice, in my case BNC. This is bored to slip over the upper 1.25" dia. pipe and then rests on top of the coupler. It also serves as the bus for clip-on St. Louis Radials.

Overall length of the SLM is 24" with the longest piece 16.5". It can be broken down into four more easily stored/carried pieces but it still pretty hefty. I believe car-trunk portable describes it best.

The pole itself can be epoxied into the upper pipe and simply slipped in place. But, there are several configuration and protective measures yet to be solved and implemented. In any case the design is not fixed at this stage.

I asked a friendly machinst to help put this one together. Actually, he did all the work while I watched. We agreed when the project was done that if either of us found ourselves in a tavern brawl this would be a comforting little item to have on-hand. Very fierce indeed!

I'll get this project into article form one of these days after it is simplified, lightened and made easily repeatable. Also, must find some way to get trapped water to drain off easily even though the electrical connections are not a problem thanks to the feedpoint configuration. The disk also offers a little wet weather protection for the feedpoint/feedline connection which is desirable.

Thanks again for your thoughts on improving the SLV mount as well as listening to my ideas. This is the way designs get changed and modified for the better.

Regards,

de Dave, NF0R

At 05:56 PM 8/9/00 -0400, you wrote:
>In a message dated 8/9/00 8:39:21 AM Eastern Daylight Time, nf0r@slacc.com
>writes:
>
> > The butt section of the pole slips over the dowel. The butt can rest on
> the
> > ground or you can raise it up slightly by adding a collar to the dowel.
> > Three equally spaced screws work just fine.
> >
>

>
>This works I am sure and most have done it that way, it seems. I went a
>different way. I put the BW inside an 1 1/4" PVC pipe with an end cap and a
>5/16" "nail" bolted to the bottom. I first took a hair dryer/heat gun to the
>end cap of the BW. Enough to release the glue from the cap/pole. I now can
>remove the end cap and return it when I put it away. The nail, is 5/16"
>stainless steel about 12" long. I threaded one end (about 1 1/2") and bolted
>to the PVC end cap before I glued to a 12" section of pipe.
>
>My thought is I will be less likely to crack the BW from stress caused
>putting it over the support. I think the fiberglass is stronger in
>"compression"??
>
>My only problem, is the pipe fills with rain. I need to drill a small hole
>in the end cap for a drain. I only see this to be a problem in the winter.
>
>72, Steve

Date: Wed, 09 Aug 2000 22:39:18 -0400
From: Ed Kessler <edkess@epix.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [77017] AA3SJ Bike Trip with QRP Rig
Message-ID: <399215D5.690D576E@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Folks,

>From Aug 12 to Sept 24 I'll be pedalling across the U.S. on my bicycle.
While I don't plan to operate while riding -- the 3500 miles will be
enough to concentrate on -- I do plan to take my 20m SW+ along. Our
"tentative" plans are to ride each day except for Sundays. So I'm going
to try to be on the air on Sunday afternoons around 4:00p.m. local time
and later which, of course, will vary as I ride through the time zones.
Since my SW+ is set for the DX portion of the band, I won't be up at
14.060, but plan to operate around 14.023. That is the freq. that my
friend/elmer, W3TS, Mike, and I have established as an attempted contact
point. So listen for AA3SJ/7, /0, /9, or /3, I'll be happy to work
anyone who gives me a shout.

Setup=
20m SW+ , Tick keyer, and Freqmite
Whiterook Key

Internal batteries at 12V (1w out) or possibly 13.8 with my
wallwart/filter (about 2w out)
Antenna = lightweight dipole will probably be slung as a sloper with E/W
orientation.

Hope to hear a few of you,
73
Ed AA3SJ

Date: Wed, 09 Aug 2000 21:01:12 -0600
From: Ray Colbert <w5xe@juno.com>
To: qrp-l@lehigh.edu
Subject: [77018] Re: Phased verticals
Message-ID: <39921AF8.CFEEF527@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have used phased multi-band verticals for the past
30 years and have had good luck with them. The first
ones were the basic 33 ft 1/4 wave for 40 but used on
20 and 15 as well, and originally tried with the coax
phasing line and relay switching. Reasonable f/b
and gain but not optimum once away from the design
frequency. A couple of antenna engineers pointed out
that those systems with the cut lines and hybrid networks
are basically a singular frequency system tho usable across
a band. I used the basic Ohms Law phasor as described by
Paul Lee W3JHR/N6TS/N6PL in his vertical antenna handbook
and it has worked very well. There have been some similar
units described in Cq and other publications over the years.
But with the switcheable power divider and variable phasing
system (L/C network) the multiband operation has been
very good. The best multi-band trap verticals I used were
the old Hygain 18AVq and 14AVQ types and currently using the
Cushcraft AP8A verticals. Spacing has been from 17 feet to
approximately 34 feet, equal feed lines from the antennas to
the phasor located at the operating position. The 34 ft
spacing made the array also usable on 80 tho it is mostly
non-directional there is some 10 db or so of null available.
The null on 40/30/20 is in the 25-30db range and not a good
directional system above 20 meters because of multi-lobing.
The Ohms Law phasor as described by Capt. Lee also allows

for more than two elements so that if one wishes to run a
triangular system, it is quite possible. I heartily his
book as a reference or the series of CQ articles that
were printed in the late 60's before being compiled into
the Verticals handbook.   Since my yard is relatively small
and is cut exactly in half by a powerline drop, a system such
as this allows a nice, functional, highly effective
directional system to be installed.

--

"Politicians are like nappies. Both should be
changed regularly -- and for the same reason"
"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, OOTC#3618, SOWP#1064M SOC#78 fp #111
NCT2 (also w5xe@juno.com   El Paso,(FAR WEST) TEXAS

Date: Wed, 9 Aug 2000 23:02:34 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
To: qrp-l@lehigh.edu
Subject: [77019] Santa Cruz/Watsonville/Monterey
Message-ID: <20000810030337.ZJDD8276.invictus@n8et>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hi -

I will be making the annual tre\k to the in-laws this Saturday, staying for two
weeks this trip. Would any QRP'er in the Monterey Bay area like to get
together sometime between the 12th and the 25th?? I will be staying west of
Watsonville.

Hope to hear from some of you by Friday evening before I head that way and
loose my internet access.

73 - Bill - N8ET
Kanga US
kanga@mail.bright.net

http://www.bright.net/~kanga/
419-423-4604

Date: Wed, 09 Aug 2000 23:06:49 -0400
From: Bob Kellogg <ae4ic@nr.infi.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77020] Sunday Nite is SMiTe night!
Message-ID: <39921C49.1A54B599@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Guys,

As some of you know, there's been a SMiTe hunt every Sunday evening at
9:30 PM Eastern time (0130 UTC). The KnightSMiTes run about 300mW on
3.6864 MHz.

This Sunday, the 13th, is the last evening of the series, so it's
going to be a milliwatt free-for-all! All SMiTe owners are invited to
participate. The going is rough in the summer on 80M, but if there
are enough stations on the air, someone is bound to hear someone
else!!

If you don't have a SMiTe, see how many you can work!

--
73,
Bob Kellogg, AE4IC, Greensboro, NC
Prolobly, not nececelery. - Benny Hill

Date: Wed, 09 Aug 2000 20:20:26 -0700
From: Roger Hightower <n7kt@worldnet.att.net>
To: mightymik2@home.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77021] Re: construction: cut off disks...
Message-ID: <39921F79.1359AA4F@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

If you want to toughen up the Dremel cutoff disks, flow a little thin
cyanoacrylate on them. Much stronger.

--
72.....Roger

Roger Hightower, N7KT   Mesa, AZ K2#591   SOC #14

Lord, please let me be the kind of person my dog thinks I am.

Date: Wed, 09 Aug 2000 21:23:50 -0600
From: Ray Colbert <w5xe@juno.com>
To: qrp-l@lehigh.edu
Subject: [77022] Re: Phased verticals
Message-ID: <39922046.3AA091E3@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Date:
        Wed, 09 Aug 2000 21:06:57 -0600
   From:
        Ray Colbert <w5xe@juno.com>
     To:
        rerobins@email.uncc.edu
   BCC:
        w5xe@juno.com

Regarding my last posting, one other reference I
used extensively was the Antenna Engineering Handbook
as edited by Jasik. In the section concerning directional
arrays, there is a full page of patterns with phase delay
spacing figures that will graphically show what spacing
one can use, with what phase and what the particular lobe
or null will result. It may not always be as shown but
surely something to shoot for. Another reference I often
used is 73 Vertical Antennas handbook by Ed Noll, W3FQJ,
and I think that has been available thru MFJ in recent times.
It too has patterns and phased array info tho not as extensive
as the Jasik book.

--

"Politicians are like nappies. Both should be
changed regularly -- and for the same reason"
"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, OOTC#3618, SOWP#1064M SOC#78 fp #111
NCT2 (also w5xe@juno.com El Paso,(FAR WEST) TEXAS

Date: Thu, 10 Aug 2000 00:12:41 -0400
From: Ken Newman <N2CQ@citnet.com>
To: epaqrp-l@lehigh.edu, QRP-L@lehigh.edu, njqrp@njqrp.org
Subject: [77023] CONTEST: QRP Contesting - Aug 12/13
Message-ID: <3.0.6.32.20000810001241.00980720@mail.citnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

~~~~~~

QRP CONTEST CALENDAR

August 12/13, 2000

~~~~~~

Worked All Europe DX Contest (CW)

Aug 12 - 0000z to Aug 13 - 2400z

Rules: http://www.darc.de/referate/dx/fedcw.htm

~~~~~~

Maryland/DC QSO Party (SSB/CW) ... QRP Category

Aug 12 - 1600z to Aug 13 - 0400z
Aug 13 - 1600z to Aug 13 - 2300z

Rules: http://www.qsl.net/w3cwc/mdcqso.htm

~~~~~~

W/VE Island Contest

Aug 12 - 1600z to Aug 13 - 2359z

Rules: http://www.eng.mu.edu/usislands/usvetest.html

~~~~~~

LATER.............

~~~~~~

SARTG RTTY Contest

Aug 19 - 0000z to 0800z
Aug 19 - 1600z to 2400z
Aug 20 - 0800z to 1600z

Rules: http://home.online.no/~janalme/htmlrules/sartg.html

~~~~~~

Keyman's Club of Japan Contest (CW)

Aug 19 - 1200z to Aug 20 - 1200z

Rules: http://www2u.biglobe.ne.jp/~kcj/e_kcjrule.htm

~~~~~~

SEANET Contest (All)

Aug 19 - 1200z to Aug 20 - 1200z

Rules: http://www.arrl.org/contests/months/aug.html

~~~~~~

Oregon QSO Party (CW/SSB)

Aug 19 - 1400z to Aug 20 - 0400z

Rules: http://www.empnet.com/codxc/

~~~~~~

North American QSO Party (SSB)

Aug 19 - 1800z to Aug 20 - 0600z

Rules:
http://www.ncjweb.com/index.php3?leftcol=contestmenu&rightcol=naqprules1

~~~~~~

NJ QSO Party (CW/SSB) *** QRP Competition ***

Aug 19 - 2000z to Aug 20 - 0700z
Aug 20 - 1300z to Aug 21 - 0200z

Rules: http://www.njqrp.org/data/njqso2000.html

*The New Jersey QRP Club is sponsoring a QRP Competition being held
during the New Jersey QSO Party on the weekend of August 19-21.
QRP operators wishing to compete should send logs to the
Englewood ARA, sponsor of the NJQP. (See Rules above).
You will be competing with all other stations.
 Also send the summary of your log to NJQRP for your entry against
fellow QRP stations. You may add 100 points to your score for each
QSO with the NJQRP Club Station: WQ2RP.
(This is for the QRP Competition only). E-mail summary is accepted.

Awards will be issued!

Send To:
NJ QRP Club - WQ2RP
81 Holly Drive
Woodbury, NJ 08096
 or e-mail to: N2CQ@Citnet.com

~~~~~~

TOEC WW Grid Contest (CW)

Aug 26 - 1200z to Aug 27 - 1200z

Rules: http://home.online.no/~janalme/rules/toecgrid.txt

~~~~~~

Slovenia Contest Club RTTY Championship

Aug 26 - 1200z to Aug 27 - 1200z

Rules: http://www.sk3bg.se/contest/sccrychs.htm

~~~~~~

Hawaii QSO Party (CW/SSB) ... QRP Category

Aug 26 - 1600z to Aug 27 - 2200z

Rules: http://home.online.no/~janalme/htmlrules/qsohi.html

~~~~~~

Ohio QSO Party (CW/SSB) ... QRP Category

Aug 26 - 1600z to Aug 27 - 0400z

Rules: http://www.qsl.net/mrrc/oqp.html

~~~~~~

South Dakota QSO Party (CW/SSB)... QRP Category (Unconfirmed in 2000)

Aug 26 - 1600z to Aug 27 - 2200z

Rules: http://home.online.no/~janalme/rules/qsosd.txt

~~~~~~

BUBBA Summer QRP Sprint *** QRP CONTEST! ***

Aug 26 - 1800z to 2200z

Rules: http://www.extremezone.com/~nk7m/bubba00.htm

~~~~~~

Colorado QRP Club - Summer QSO Party (SSB/CW) *** QRP CONTEST! ***

Aug 27 - 1800z to 2359z

Rules: http://www.arrl.org/contests/months/aug.html

~~~~~~

Thanks to K3WWP, LA9HW, SM3CER, WA7BNM, ARRL and others
for assistance in compiling this calendar.
~~~~~~

72 de
Ken Newman - N2CQ

N2CQ@ARRL.NET http://www.NJQRP.org http://www.N3EPA.org

Date: Wed, 09 Aug 2000 21:11:40 +0100
From: Chuck Adams <k7qo@primenet.com>
To: qrp-l@lehigh.edu
Subject: [77024] Compaq 4131T Laptop Help Needed
Message-ID: <4.3.2.7.0.20000809210657.00ab8b80@pop.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

I have a three year old laptop. Win95 originally, but I was using
LINUX Suse 6.4 for a while on it.

Want to reinstall Win95 for two reasons. DigiPan and RUFZ.
But I am in need of a restore diskette. If you own the above
laptop, email me direct. I have the Win95 CD.

Thanks in advance. I once had one of the higher scores for RUFZ,
but alas some others have been working on it and I do want to get
back in shape on the QRQ stuff. The laptop has the soundcard
and is RFI shielded.

DigiPan for the NN1G PSK-20 rig. Only one contact at 25mW from
Prescott to Seattle and the final died. Have it fixed but in the new
house the computer is as far away from the shack as possible. :-)

dit dit

Date: Thu, 10 Aug 2000 04:23:30 +0000 (GMT)
From: "Geoff QRP-L mailing list" <geoffqrp@wormhole2.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [77025] FS for a friend
Message-ID: <9658814104440-1000234440geoffqrp@wormhole2.com>

Ten-Tec Century 21 with matching crystle calibrator and key/keyer. Only one small
nick on the radio. Also has all boxes but no manuals. Manual obtainable from Ten-

Tec still. contact Gill direct at 603-444-2290

Geoffrey E. Sachse
Lyndonville VT
geoff@wormhole2.com
kb1dsq@arrl.net
www.wormhole2.com
KB1DSQ

Date: Wed, 09 Aug 2000 21:32:03 -0700
From: stan@cruzio.com
To: kanga@bright.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77026] Re: Santa Cruz/Watsonville/Monterey
Message-ID: <39923043.660FB973@cruzio.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Bill, I'll be out of town this weekend, but next week may work.

Stan , N6XU 722-0588 HP , 722-3488 WP

Bill Kelsey - N8ET - Kanga US wrote:
>
> Hi -
>
> I will be making the annual tre\k to the in-laws this Saturday, staying for two
> weeks this trip. Would any QRP'er in the Monterey Bay area like to get
> together sometime between the 12th and the 25th?? I will be staying west of
> Watsonville.

Date: Wed, 9 Aug 2000 22:59:07 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-l@lehigh.edu
Subject: [77027] Re: Phased verticals
Message-ID: <Pine.SUN.4.10.10008092237260.4820-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Funny this subject has come up, as I plan on putting my phased array

back up at the new QTH. Been kinda waiting for the thunderstorm season to end (read: lightning!).

I built mine using 3/4" and 1/2" EMT electrical tubing to be 1/4 wavelength on 40M and 1/4 wavelength apart. I use two Radio Shack tripod antenna roof mounts on the ground that has a 5 foot length of 1" PVC in them (from the ground and up). The verticals insert into the tops of these PVC pieces, so the feed point is 5 feet high, and 8 radials running from each feedpoint. I feed the two verticals with equal lengths of RG-58 ... about 60 feet long that run into the shack. The feed lines plug into a small phasing box by the rig. In the phasing box is a 1/4 wavelength bundle of RG-74 (the little stuff) for forming the 90 degree "delay line." The delay line is switched into the path of either vertical with two toggle switches, labeled 0 or 90 degrees for the two verticals. I set my verticals so one is on the EAST, the other on the WEST. With 0 (or 90) degrees switched in to BOTH antennas, it gives me a figure 8 pattern running north and south. By switching the 90 degrees to the east or west antenna, I get either an east or west pattern. It offers no real forward gain, but the front-to-back rejection is profound.

I found the velocity factor in the RG-74 to be far worse than listed, so when I cut it for 33 feet (1/4 wavelength), it produced around 120 degrees of phase, if I remember right, and didn't work for beans. I finally terminated each feedline with a simple 50-ohm dummy load made of resistors and kept cutting the delay line until I had exactly 90 degrees of phase delay as seen on a scope (comparing the input to the output waveforms for phase). Once the 90 degrees was set by the scope, hooked the feedlines back to the verticals and the first flip of the switches to flip the phasing proved it was working great. I can also switch out one antenna (or the other) for a single vertical system if I want ... neat for comparison purposes.

>From my New Mexico QTH, in practice, I will "listen" for a CQ on only one vertical (omni-directional). Once I decide to work someone, I will kick in the second antenna and phase it through the switches for the direction of maximum signal. Or if I hear a CA station near frequency, I'll phase it to the east and the CA will virtually disappear. It's also quite effective in phasing it to reduce those Klingon stations, or the Mexican SSB guys.

Can't wait to get the thing put back up. A great antenna, and the ability to electrically switch your beam pointing is truly a profound effect. You have to experience it to believe it ... and a heck of lot faster than swinging a real beam around 180 degrees! (and far cheaper too). If you have the space, I would recommend it.

However, as to the original question, I have no experience with a phased

array other than 2 elements.

72, Paul NA5N

Date: Thu, 10 Aug 2000 01:13:27 -0400
From: KD1YV <kd1yv@mindspring.com>
To: qrp-l@lehigh.edu
Subject: [77028] Need circuit help
Message-ID: <399239F7.A92334B0@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My daughter (N1PNT) and I are the foxes for a radio direction finding foxhunt this weekend. I am trying to build a circuit to do a one-way cross-band so that we can sit at the picnic and transmit on 440 MHz while the hounds chase our signal coming from a hidden transmitter on 2m. I obviously don't have a lot of time left, but I didn't think that this was rocket science.

My circuit does not work as planned. I'm hoping that some better technical minds here can help me. OK, it's not 40m CW QRP, but it is 2m FM QRP (2 Watts).

I cobbled together a circuit tonight using dead-bug construction. I connected a scanner as the RX to the input, and the output to the mic/key jack of a HTX-202 HT. When I keyed up, sure enough, it transmits, however, the HTX-202 stays key-down even after the input signal disappears. I'm not sure why, so this is why I am now posting this here.

I made a crude sketch of my circuit, and put it at this location. You can follow along as I try to give a basic discussion.

http://www.qsl.net/kd1yv/foxvox.gif

T1 is an audio isolation transformer, for general principles.
C1 is a DC blocking capacitor -- my be redundant when I use T1?
The diode is a junkbox silicon, to capture forward DC current into the transistor
R1 is 15k base current limiting
C2 is to give the input a bit of a time constant, so that the TX

stays keyed for several miliseconds, i.e., does not key at the
audio rate from the input. This value may be too small, since my
RC time constant only comes to about 70 mS.
The transistor is a junkbox NPN (probably a 2n3904).
R2 is for the key-line of the HTX-202 (in normal operation with
an external mic, a resistor is placed in parallel with the mic.)

Does anybody have any suggestions about why it won't unkey? Even
when the audio input is disconnected?

Replies direct e-mail, please -- don't clutter the list.

Thanks in advance,
--
72/73 de Jim, KD1YV
But as we arrive at the house of the water sign / We're living in
Strange Times.

Date: Wed, 9 Aug 2000 23:16:46 -0600
From: "Rod, N0RC" <n0rc@qsl.net>
To: NCARC <ncarc@qth.net>, qrp-l@Lehigh.EDU
Subject: [77029] Re: FS: ant, mobile rig...misc.
Message-ID: <20000809231646.A12444@io.frii.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

On Wed, Aug 09, 2000 at 07:04:23PM -0600, Rod, N0RC wrote:
> Mid-summer Shack Down-sizing Extravaganza.
>
> Most of this stuff has not been used for over six months, nor do
> I see a need for it in the next six months. So away it goes!
>

Found another item hiding in the corner:

- -

Radio Shack Switching Power supply 13.8 Volts, 3A $30

o Cat.#: 22-503
o vehicle accessory outlet
o Lighted on/off rocker switch
o 6-foot cord.
o Takes 85VAC to 240VAC input.

o Great for HT's & other small gear

Full Specs at:

http://www.radioshack.com/ProductCatalog/ProductDetail/Index/
1,2098,CTLG_1_2200503,00.html

- -

Date: Thu, 10 Aug 2000 09:17:23 +0100
From: brian_jones@uk.ibm.com
To: qrp-l@Lehigh.EDU
Subject: [77030] Re: SMD soldering trick
Message-ID: <80256937.002D8ADA.00@d06mta10.portsmouth.uk.ibm.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Not sure I've seen Blu-Tack statesside but it is the same as the White-Tack
or whatever that stationery/drug stores sell for holding up posters,
tacking pictures to the wall etc.

I use this quite often for holding all sorts of things in place when
soldering BUT beware if using it with thru-hole parts. If it gets hot it
gets very soft and tacky and is harder to remove (the easiest way is to dab
it with a blob of the unheated stuff which will often pick it up).

As well as SM holder-downers its very useful for holding thru-hole pin
connectors vertically or ICs in place while you get the first couple of
pins soldered down.

Brian G0UKB

Brian E Jones

Technical Planner
Java Technology Centre
 IBM Hursley

Date: Thu, 10 Aug 2000 06:39:04 -0400

From: Jerry Albertin <kg2jf@juno.com>
To: qrp-l@lehigh.edu
Subject: [77031] FS: Pristine MFJ 9020 with accessories
Message-ID: <20000810.063908.-252875.0.kg2jf@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

MFJ 9020 qrp cw transceiver. It is in excellent condition. It is equiped
with the MFJ 412 curtis keyer and an MFJ audio filter

This radio features: Band Coverage of 14.000 to 14.075 MHZ; Smooth and
stable VFO with wide spaced reduction drive that glides slowly across
the easy to read dial; True RIT tuning control with center-detent;
Smooth AGC; Full 5 watt output; Semi-QSK (adjustable) and pure 700 hz
cw sidetone. It is very easy on power, drawing only 50 milliamps average
on receive and 1.2 amps peak on transmit. Perfect for battery operation
in remote locations or emergencies. I purchased this equipment new and
comes with original documentation and box.

Price is $125 plus shipping from zip 12010.
Please feel free to email me with any questions you may have.

Date: Thu, 10 Aug 2000 07:43:19 -0400
From: "Stephen D. Cohen" <scohen@tampabay.rr.com>
To: "QRP-L Mailing List" <qrp-l@lehigh.edu>, "Carrie Wenholz"
<kf6yoi@hamclub.org>, "Jared Davies" <hazmat@tampabay.rr.com>,
     "Matt Kassawara" <battery@writeme.com>, "Rick Evans" <rkevans@iag.net>,
"Brian Wenholz" <kf6yoj@hamclub.org>, "Bob Sacilowski" <spanky@afcon.com>,
Subject: [77032] CLUB: WestFLA Meeting This Saturday, 12 August 2000
Message-ID: <NDBBJALMDCJHFFPJMMFKKEENDHAA.scohen@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ladies and Gentlemen,

     The next meeting of the Western Florida QRP Club will be held
this Saturday, the 12th of August, 2000 at 10AM. The meeting
will run until folks have had enough. This meeting will feature notes

on technique from noted fox hunter and renowned DXer Mac Steinmeyer.

The WestFLA meetings run using the NorCal model, to whit, no new business, no old business, no business at all! It will simply be a meeting of like minded people to discuss QRP, homebrewing, kit building and the sort. As such, it is vitally important that people have things to discuss. Please bring a current project, special rig, piece of test equipment or some such to demonstrate and describe to your fellow ham.

As usual, coffee and donuts will be provided. A selection of door prizes will also be awarded, based on what members bring to give away. If you've got a treasure sitting in the junk box that you do not expect to use any time soon, why not bring it along for a door prize?

As usual, Mike Maiorana (KU4QO) and I will bring a selection of test equipment to the meetings to help folks with alignment and troubleshooting of their projects. I will have an oscilloscope, a counter and a signal generator with me.

"So, Steve", you say, "Enough of the shuck and jive... Where is the place?". An excellent question. The TARC clubhouse is located in Tampa Florida. The directions to the clubhouse are:

Take I-275 North or South to the Sligh Exit. Once on Sligh, go east to 22nd Street. Turn left on 22nd Street and go the the very end. Once you are at the end of the street, the clubhouse is on your right next to the ball field. It will be obvious from the tower and
antennas.

From north of Tampa, take route 75 south to 275 then follow the above directions.

From south of Tampa, take route 75 north until you get to route 4 west which runs into route 275. You have a choice at 275, and you want to go north on 275 from route 4 and follow the above directions.

From the east, take route 4 west until you run into 275 then take 275 north from there and follow the above directions.
There
will be a talk-in on the 147.105(+) N4TP repeater. Just give us a holler if you get lost.

These directions are also available on the TARC web page at http://www.hamclub.org/tarcweb/way.htm

which is also linked from the WestFLA web page at
http://www.qsl.net/westfla.

     Questions should be forwarded to westfla@qsl.net.

73,

Steve, N3OIE

Date: Thu, 10 Aug 2000 08:00:36 -0400
From: Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>
To: qrp-l@Lehigh.EDU
Subject: [77033] USI contest
Message-ID: <v03110706b5b848b117a9@[132.235.81.133]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi all,
     I will be participating in the USI contest on Saturday the 12th.
(See http://www.eng.mu.edu/usislands/usvetest.html for more information)
I will probably be out on an Ohio River Island IF the weather permits;
we've been getting nailed with nasty thunderstorms lately. I'll definitely
be on 14.260 + or - a few khz and will regularly call for QRP stations.
Will have 40 meter capability too. SSB and CW on regular QRP freqs. 7.04
and 14.06. Starts 1600Z or noon Eastern Time.

     Keep your fingers crossed for good weather!

72 de NS8O

Date: Thu, 10 Aug 2000 08:26:55 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <cbailey@wjtl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [77034] Re: "no-see-um" antenna
Message-ID: <008701c002c6$83ddb860$2101a8c0@insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I don't know how it would work for snow on a lite wire, but you could always do the trick the power company does with little 'vanes' on the wires that the wind causes to 'twist'. This breaks off ice and snow in the winter.

But they would kill the 'stealth' feature. Unless you had 'less visible'
areas you could put the vanes.

Mike

> Yeah, that's it, a weather station, you know every decent QSO includes a
> weather report!
>
> To make you wire invisible is one thing, but remember, if you get a heavy
> snow, it tends
> to stick to the wire....and pile up on it! My "no-see-um" wires were very
> visible when the
> wet, heavy snow piled up on them!   But hey, they stayed up, and that is
> what counts.
>
> kt3a
>
> ----- Original Message -----
> From: "Mike Yetsko" <myetsko@insydesw.com>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Wednesday, 09 August, 2000 10:25
> Subject: Re: "no-see-um" antenna
>
>
> >
> > Hmm, you know... Will they allow a weather station? You could always
> > put up a 10foot PVC pipe for example with a little dome on it and say
> > it's
> > a weather station. Feed coax up the middle of the pipe, and at the top
> > put a balun and feed the wire to either side. (Hey, it's not an
> > 'antenna',
> > it's the GUYS for the weather station!) We're talking QRP right? So
> > the wire and the balun can be QUITE small....

> >
> > You might be able to call it even something else. Maybe even make
it
> > legitimately a light pole or something...
> >
> > Mike
>
>
>

Date: Thu, 10 Aug 2000 08:46:56 -0400
From: "Scott Hotchkiss" <w4pj@bellsouth.net>
To: <myetsko@insydesw.com>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [77035] Re: "no-see-um" antenna
Message-ID: <003c01c002c9$1209fb60$92d24dd8@w4pj>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I don't know what type of dwelling you are in, but...
I helped a friend who lives in a 2-story townhouse.
We ran a length of #18 insulated house wire from
Home Depot, around the (wood) soffitt fastened
with staples and drilled 2 holes thru the concrete
near the peak on one side. Ran the ends of the wires
into the attic area and connected them to a length
of 450 ohm twin-lead. Ran the twin-lead down thru
two holes in the ceiling of the shack and to the tuner.
Painted the wire to match the trim and Voilla!
10 thru 80 loop. As long as he keeps the power under
500 watts, no TVI (cable in that area) but on 80 there
is one phone in the house that acts up. Fancy phone with
bells and whistles.
de W4PJ
Scott R. Hotchkiss
Fort Lauderdale, Florida
----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, August 10, 2000 8:26 AM
Subject: Re: "no-see-um" antenna

> I don't know how it would work for snow on a lite wire, but you could
> always do the trick the power company does with little 'vanes' on the
> wires that the wind causes to 'twist'. This breaks off ice and snow in
> the winter.
>
> But they would kill the 'stealth' feature. Unless you had 'less
> visible'
> areas you could put the vanes.
>
> Mike
>
> > Yeah, that's it, a weather station, you know every decent QSO includes
> a
> > weather report!
> >
> > To make you wire invisible is one thing, but remember, if you get a
> heavy
> > snow, it tends
> > to stick to the wire....and pile up on it! My "no-see-um" wires were
> very
> > visible when the
> > wet, heavy snow piled up on them!   But hey, they stayed up, and that
> is
> > what counts.
> >
> > kt3a
> >
> > ----- Original Message -----
> > From: "Mike Yetsko" <myetsko@insydesw.com>
> > To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> > Sent: Wednesday, 09 August, 2000 10:25
> > Subject: Re: "no-see-um" antenna
> >
> >
> > >
> > > Hmm, you know... Will they allow a weather station? You could
> always
> > > put up a 10foot PVC pipe for example with a little dome on it and
> say
> > > it's
> > > a weather station. Feed coax up the middle of the pipe, and at the
> top
> > > put a balun and feed the wire to either side. (Hey, it's not an
> > > 'antenna',
> > > it's the GUYS for the weather station!) We're talking QRP right?
> So
> > > the wire and the balun can be QUITE small....
> > >

> > > You might be able to call it even something else. Maybe even make
> it
> > > legitimately a light pole or something...
> > >
> > > Mike
> >
> >
> >
>
>

Date: Thu, 10 Aug 2000 09:07:49 EDT
From: Macstein@aol.com
To: scohen@tampabay.rr.com, qrp-l@lehigh.edu, kf6yoi@hamclub.org,
hazmat@tampabay.rr.com, battery@writeme.com, rkevans@iag.net, kf6yoj@hamclub.org,
     spanky@afcon.com, aj4y@arrl.net, w4rex@gte.net, AH6NZ@aol.com,
l2jarvis@mindspring.com, ac4my@arrl.net, kd5uf@arrl.net, wd4hha@juno.com,
Subject: [77036] Re: CLUB: WestFLA Meeting This Saturday, 12 August 2000
Message-ID: <9c.659db07.26c40325@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Well, at LEAST we will have some nice door prizes this time. This is too
funny.

-MAC-
AF4PS

Date: Thu, 10 Aug 2000 09:21:19 -0400
From: wlfisher@bellatlantic.net
To: ". Eastern PA QRP Club" <epaqrp-l@Lehigh.EDU>, "njqrp@njqrp.org"
<njqrp@njqrp.org>, "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [77037] [Fwd: Hurricane Freq's...Print out....]
Message-ID: <3992AC4D.EBCA55DD@bellatlantic.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Kc2aup@aol.com wrote:

> To All Members;
>
> There have been many posts of lists of frequencies to listen
> to when hurricanes threaten, but the vast majority of them are badly
> out of date (if they list the old AT&T stations or the National
> Hurricane Center HF network, it's a dead giveaway-both have been
> dead for some time).
> This is a great list for reference. Print this out !!!!
>
>   1999 Hurricane Frequencies
>   (Last Revision 18 Sep 99)
>
> Removed all Morse Code/CW/WT weather schedules except WLO
> Removed closed AT&T coastal stations WOO, WOM, KMI
> Removed NHC Miami Monitor, which has been dead for years
> Added some recent Federal hits for Dennis and Floyd
>
>   500.0   Maritime CW calling and distress (phasing out)
>   518.0   (Sitor-B) U.S. Coast Guard, Navigational Telex (NAVTEX)
> 2052.0   (Fax) U.S. Coast Guard, Kodiak, AK
> 2182.0   Maritime voice calling and distress (guarded until 1999)
> 2196.0   Federal Aviation Administration, Caribbean hurricane net
> 2371.0   Civil Air Patrol, all regions
> 2374.0   Civil Air Patrol, all regions
> 2670.0   U.S. Coast Guard groups, local bulletins, announced on 2182
> 2754.0   (Fax) Canadian Forces, Victoria, BC, charts at 0245, 1025, 1515,
> and 2115
> 3047.0   Canadian Forces SAR secondary
> 3122.0   U.S. Coast Guard, safety of flight
> 3130.0   U.S. Navy FACSFAC Jacksonville, FL "Sea Lord"
> 3303.0   U.S. Department Of Transportation evacuation F-1
> 3331.0   Federal Aviation Administration, southeast
> 3341.0   FEMA "Foxtrot-6," U.S. Coast Guard in Caribbean
> 3622.5   (Fax) JMH, Tokyo, weather charts at 0110 and 1910
> 3815.0   (LSB) Antigua / Antilles emergency & weather net
> 3815.0   (LSB) Inter-island 75 meter frequency (24 hr)
> 3873.0   (LSB) Texas (Emergency)
> 3910.0   (LSB) Virginia primary (alt 7360)
> 3915.0   (LSB) South Carolina Emergency Net
> 3923.0   (LSB) North Carolina Emergency Net (alt. 7232)
> 3925.0   (LSB) Always good for SE U.S. H&W
> 3930.0   (LSB) Gulf Coast Hurricane Net alternate
> 3930.0   (LSB) Louisiana
> 3930.0   (LSB) North Texas Emergency Net
> 3935.0   (LSB) Gulf Coast Hurricane Net
> 3935.0   (LSB) Texas (Health & Welfare in Bret)
> 3940.0   (LSB) South Florida Emergency Net
> 3943.0   (LSB) West Gulf Emergency Net

> 3947.0   (LSB) Virginia health & welfare (alt 7240)
> 3950.0   (LSB) National Hurricane Watch Net alternate
> 3950.0   (LSB) North Florida Emergency Net
> 3955.0   (LSB) South Texas Emergency Net
> 3957.0   (LSB) Louisiana State EOC
> 4055.0   Federal Aviation Administration, southeast
> 4081.5   British military, relief use in Bahamas
> 4125.0   Maritime calling and distress frequency, some weather info
> 4146.0   Maritime simplex channel 4A
> 4149.0   Maritime simplex channel 4B
> 4209.5   (Sitor-B) International NAVTEX, like 518 kHz
> 4210.5   (Sitor-B) International marine safety information
> 4268.0   (Fax) Canadian Forces, Victoria, BC, charts at 0245, 1025, 1515,
> and
>   2115
> 4298.0   (Fax) U.S. Coast Guard, Kodiak, AK, charts at 0400, 1000, 1800, and
> 2200
> 4317.9   (Fax) U.S. Coast Guard, New Orleans, LA, continuous weather charts
> 4346.0   (Fax) U.S. Coast Guard, San Francisco, CA, night weather charts
> 4372.0   U.S. Navy FACSFAC VACAPES, VA, "Giant Killer"
> 4411.0   WLO, Gulf at 0500
> 4426.0   U.S. Coast Guard, maritime duplex, ships call on 4134
> 4426.0   U.S. Coast Guard, Portsmouth, VA, Atlantic WX at 0330, 0500, and
> 0930
> 4426.0   U.S. Coast Guard, San Francisco, CA, Pacific WX at 0430 and 1030
> 4466.0   Civil Air Patrol, NE US Primary, SE Alternate
> 4469.0   Civil Air Patrol, Gulf Coast Hurricane Net, SE Pri, NE Alt
> 4490.0   SHARES Co-ordination Network Ch. 3
> 4506.0   Civil Air Patrol, N. Central US Primary
> 4520.0   US Army NG New Jersey in Floyd
> 4582.0   Civil Air Patrol, National Clg & Emergency, Pacific Alternate
> 4583.5   Civil Air Patrol, Tuesday hurricane nets 2100 local in season
> 4585.0   Civil Air Patrol, Pacific & Mid-East (Atlantic) Primary
> 4601.0   Civil Air Patrol, Rocky Mtn. Primary, Great Lakes Alternate
> 4604.0   Civil Air Patrol, Great Lakes Primary, Rocky Mtn. Alternate
> 4627.0   Civil Air Patrol, Southwest US Primary
> 4721.0   (Fax) Canadian Forces, Halifax, NS, continuous weather charts
> 4724.0   U.S. Air Force, Global High Frequency System
> 4821.0   Federal Agencies Net, Region 7 (old FHWA highway net F-14)
> 5008.0   U.S. Department Of Transportation evacuation F-2
> 5135.0   SECURE Gulf Coast net
> 5140.0   SECURE Florida net
> 5203.5   US Army National Guard
> 5211.0   National Emergency Coordination Net night primary, also FEMA
> "Foxtrot
>   11"
> 5236.0   SHARES Co-ordination Network Ch-1 (night voice primary)
> 5302.0   FEMA, probably urban search and rescue

> 5320.0   U.S. Coast Guard Groups, Miami, FL, and Portsmouth, VA
> 5400.0   U.S. Coast Guard, Puerto Rico
> 5432.0   U.S. Coast Guard, hvy CAMSLANT use in Dennis '99
> 5550.0   New York ATC
> 5680.0   Maritime calling and distress frequency
> 5692.0   U.S. Coast Guard air-air, Navy, possibly also FEMA
> 5696.0   U.S. Coast Guard Safety of Flight, search and rescue, busy channel
> 5710.0   U.S. Air Force, weather recon heard here
> 5711.0   SHARES Co-ordination Network Ch-4
> 5717.0   Canadian Forces safety of flight/SAR, their version of 5696
> 5755.0   Federal Agencies Net, Region 7 (old FHWA highway net F-23)
> 5821.0   FEMA, northeast region heard here
> 5848.0   US Army Corps of Engineers
> 6215.0   Maritime calling and distress frequency
> 6224.0   Maritime simplex channel Ch. 6A
> 6227.0   Maritime simplex channel Ch. 6B
> 6230.0   Maritime simplex channel Ch. 6C
> 6314.0   (Sitor-B) U.S. Coast Guard, Boston, MA, Atlantic at 0140
> 6340.5   (Fax) U.S. Coast Guard, Boston, MA, continuous weather charts
> 6341.7   (Sitor-B) WLO, weather at 0345
> 6416.0   (CW) WLO, hourly weather during Gulf storms
> 6456.0   (Fax) Canadian Forces, Victoria, BC, charts at 0245, 1025, 1515,
> and 2115
> 6496.4   (Fax) Canadian Forces, Halifax, NS, continuous weather charts
> 6501.0   U.S. Coast Guard, maritime duplex, ships call on 6200
> 6501.0   U.S. Coast Guard, Guam, Pacific WX at 0930 and 1530
> 6501.0   U.S. Coast Guard, Honolulu, HI, Pacific WX at 0600 and 1200
> 6501.0   U.S. Coast Guard, Kodiak, AK, Pacific WX at 0203 and 1645
> 6501.0   U.S. Coast Guard, Portsmouth, VA, Atlantic WX at 0330, 0500, 0930,
>   1130, 1600, 2200, and 2330
> 6586.0   New York ATC
> 6712.0   U.S. Air Force GHFS
> 6723.0   U.S. Navy FACSFAC Jacksonville, FL "Sea Lord"(also 6742.0)
> 6739.0   U.S. Air Force, Global High Frequency System
> 6742.0   U.S. Navy FACSFAC Jacksonville, FL "Sea Lord"
> 6785.0   U.S. Army Corps Of Engineers
> 6800.0   SHARES Coordination Network Ch. 9 (PACTOR BBS)
> 6809.0   FEMA "Foxtrot-21" channel: urban search and rescue, Caribbean
> relief
> 6826.0   Army MARS (used in Bonnie & Earl)
> 6870.0   FAA Southern Region
> 6999.0   U.S. Army MARS alternate guard fq
> 7055.0   (LSB) Mexican Hurricane Net
> 7090.0   (LSB) Central America Emergency Net
> 7285.0   (LSB) Texas (Emergency)
> 7290.0   (LSB) Texas (Health & Welfare)
> 7305.0   (Fax) JMH, Tokyo, weather charts at 0110 and 1910
> 7373.5   U.S. Department Of Transportation evacuation F-3

> 7381.0   SHARES - U.S. Navy MARS
> 7475.0   Federal Aviation Administration, southeast
> 7507.0   U.S. Coast Guard and Navy Hurricane Warning Net, Puerto Rico
> 7508.5   Federal Aviation Administration, Caribbean hurricane net
> 7540.0   SHARES - US Air Force MARS
> 7552.1   SHARES - NTA
> 7582.0   U.S. Department Of Transportation evacuation F-4
> 7632.0   SHARES Coordination Network Ch. 4
> 7635.0   SHARES - Civil Air Patrol Command Net
> 7743.0   Federal Agencies Net, Region 7 (old FHWA highway net F-28)
> 7773.5   U.S. Coast Guard, Caribbean use
> 7850.0   Caribbean Police Net per Rick Baker
> 7341.0   Civil Air Patrol, National Packet Radio Channel (Digital)
> 7635.0   Civil Air Patrol, National Calling & Emergency
> 7635.0   Civil Air Patrol, National Calling & Emergency
> 7920.0   Civil Air Patrol, all regions
> 8093.0   US Army National Guard, all regions
> 8125.0   Federal Aviation Administration, east
> 8156.0   Bahamas Self Defense Force per Rick Baker
> 8160.0   U.S. Coast Guard, Caribbean use
> 8291.0   Maritime calling and distress frequency
> 8294.0   Maritime simplex channel 8A
> 8297.0   Maritime simplex channel 8B
> 8416.5   (Sitor-B) U.S. Coast Guard, Boston, MA, Atlantic WX at 0140 and 1630
> 8416.5   (Sitor-B) U.S. Coast Guard, Honolulu, HI, Pacific WX at 0130, 1330,
> 2030
> 8416.5   (Sitor-B) U.S. Coast Guard, San Francisco, Pacific WX at 0000 and
> 1800
> 8459.0   (Fax) U.S. Coast Guard, Kodiak, AK, WX charts at 0400, 1000, 1800,
> and
>   2200
> 8503.9   (Fax) U.S. Coast Guard, New Orleans, LA, continuous weather charts
> 8682.0   (Fax) U.S. Coast Guard, San Francisco, continuous weather charts
> 8764.0   U.S. Coast Guard, maritime duplex, ships call on 8240
> 8764.0   U.S. Coast Guard, Honolulu, HI, Pacific WX at 0000, 0600, 1200, and
> 1800
> 8764.0   U.S. Coast Guard, Portsmouth, VA, Atlantic WX at 0330, 0500, 0930,
>
>   1130,1600, 1730, 2200, and 2330
> 8764.0   U.S. Coast Guard, San Francisco, CA, Pacific WX at 0430, 1030,
> 1630,
>   and 2230
> 8806.0   WLO, Gulf warnings at 0500
> 8846.0   New York ATC
> 8968.0   U.S. Air Force, Global High Frequency System
> 8983.0   U.S. Coast Guard Safety of Flight, search and rescue, busy channel
> 8992.0   U.S. Air Force GHFS
> 9074.5   U.S. Department Of Transportation evacuation F-5

> 9106.0   SHARES Coordination Network Ch. 5
> 9110.0   (Fax) U.S. Coast Guard, Boston, MA, continuous weather charts
> 9185.0   Federal Agencies Net, Region 7 (old FHWA highway net F-31)
> 9197.0   SHARES - Federal Highway Administration
> 9380.0   U.S. Coast Guard and U.S. Navy Hurricane Warning Net, Puerto Rico
> 9970.0   (Fax) JMH, Tokyo, weather charts at 0110 and 1910
> 10195.0   Possibly FEMA
> 10493.0   National Emergency Coordination Net day primary, also FEMA "Foxtrot-
>   26", and SHARES
> 10536.0   (Fax) Canadian Forces, Halifax, NS, continuous weather charts
> 10588.0   U.S. Coast Guard Caribbean use
> 10780.0   U.S. Air Force, Cape Radio, FL, and GHFS backup
> 10891.0   SHARES - Federal Highway Administration
> 10935.0   US Coast Guard, others, in Caribbean disaster ops
> 11028.0   U.S. Department Of Transportation evacuation F-6
> 11175.0   U.S. Air Force, Global High Frequency System
> 11181.0   U.S. Air Force, possible discrete assigned for TEAL pp
> 11202.0   U. S. Coast Guard Safety of Flight
> 11217.0   SHARES Co-ordination Network Ch-6
> 11226.0   U.S. Air Force, weather aircraft heard here
> 11230.0   British military, relief use in Bahamas
> 11246.0   US Air Force discrete for 53rd WRS ("Teal")
> 11309.0   New York ATC
> 12178.7   Federal Agencies Net, Region 7 (old FHWA highway net F-41)
> 12290.0   Maritime calling and distress frequency
> 12353.0   Maritime simplex channel 12A
> 12356.0   Maritime simplex channel 12B
> 12359.0   Maritime simplex channel 12C
> 12362.0   Maritime simplex channel 12D
> 12365.0   Maritime simplex channel 12E
> 12579.0   (Sitor-B) U.S. Coast Guard, Boston, MA, Atlantic WX at 0140 and 1630
> 12579.0   (Sitor-B) U.S. Coast Guard, Honolulu, HI, Pacific WX at 0130, 1330,
> 2030
> 12730.0   (Fax) U.S. Coast Guard, San Francisco, continuous weather charts
> 12750.0   (Fax) U.S. Coast Guard, Boston, MA, continuous weather charts
> 12753.0   (Fax) Canadian Forces, Victoria, BC, charts at 0245, 1025, 1515,
> and
>   2115
> 12789.9   (Fax) U.S. Coast Guard, New Orleans, LA, continuous weather charts
> 12886.5   (CW) WLO, hourly weather in Gulf storms
> 13089.0   U.S. Coast Guard, duplex, ships call on 12242
> 13089.0   U.S. Coast Guard, Guam, Pacific WX at 0300 and 2130
> 13089.0   U.S. Coast Guard, Honolulu, HI, Pacific WX at 0000 and 1800
> 13089.0   U.S. Coast Guard, Portsmouth, VA, Atlantic WX at 1130, 1600, 1730,
>   2200 and 2330
> 13089.0   U.S. Coast Guard, San Francisco, CA, Pacific WX at 0430, 1030,
> 1630,
>   and 2230

> 13200.0   U.S. Air Force, Global High Frequency System
> 13204.0   U.S. Air Force, possible discrete assigned for TEAL pp
> 13242.0   SHARES Co-ordination Network Ch-10 (PACTOR BBS)
> 13245.0   Antigua and Antilles inter-island net
> 13270.0   NOAA a/c per John Winward
> 13330.0   New York ATC
> 13354.0   New York ATC
> 13354.0   Old NHC, possibly no longer used
> 13432.5   U.S. Department Of Transportation evacuation F-7
> 13434.0   Federal Agencies Net, Region 7 (old FHWA highway net F-42)
> 13448.2   FEMA teletype (straight Baudot) copied here
> 13457.0   SHARES primary - also Federal Aviation Administration
> 13510.0   (Fax) Canadian Forces, Halifax, NS, continuous weather charts
> 13626.0   Federal Aviation Administration, Gulf
> 13630.0   Federal Aviation Administration, west
> 13910.5   US Army MARS emergency net
> 13993.0   SHARES - U.S. Air Force MARS
> 13996.0   SHARES - U.S. Army MARS primary guard fq
> 13997.0   (Fax) JMH, Tokyo, weather charts at 0110 and 1910
> 14185.0   Carribbean emergency frequency
> 14215.0   Pacific Interisland
> 14235.0   Pan-American Health Net
> 14260.0   UN Net
> 14265.0   Salvation Army Net
> 14268.0   UN Radio Readiness Group
> 14270.0   Red Cross Net
> 14275.0   IARN disaster relief
> 14282.0   Friendly Caribus Connection ("FCC;" a Caribbean net)
> 14283.0   Friendly Caribus Connection, UN Relief Net
> 14293.0   Red Cross use
> 14300.0   Maritime Mobile Service Net
> 14303.0   ARRL International Assistance Net
> 14313.0   Maritime Mobile Net
> 14325.0   National Hurricane Watch Net, amateur and government, ALWAYS
>
>   MONITOR THIS ONE.....
> 14383.5   SHARES - U.S. Navy MARS
> 14390.5   MARS disaster operations
> 14391.5   U.S. Navy MARS
> 14396.5   SHARES Coordination Network Ch. 2 (daytime voice primary), also
> old
>   National Communications System primary, all 23 agencies
> 14449.4   NCS
> 14450.0   FEMA evacuations heard here; could be NCS from lower
> 14493.5   SHARES - Federal Bureau of Investigation
> 14837.5   FEMA "Foxtrot 37"
> 14902.0   SHARES - Civil Air Patrol rescue and relief, all regions
> 14905.0   Unk. Federal; FEMA or Nuclear Regulatory Commission

> 15016.0   U.S. Air Force, Global High Frequency System
> 15094.0   SHARES Coordination Network Ch. 7
> 16348.0   Federal Aviation Administration
> 16420.0   Maritime calling and distress frequency
> 16528.0   Maritime simplex channel 16A
> 16531.0   Maritime simplex channel 16B
> 16534.0   Maritime simplex channel 16C
> 16806.5   (Sitor-B) U.S. Coast Guard, Boston, MA, Atlantic WX at 1630
> 16806.5   (Sitor-B) U.S. Coast Guard, Kodiak, AK, Pacific WX at 1500
> 16806.5   (Sitor-B) U.S. Coast Guard, San Francisco, Pacific WX at 0000 and
> 1800
> 17022.5   (CW) WLO, half-hourly weather in Gulf storms
> 17151.2   (Fax) U.S. Coast Guard, San Francisco, CA, continuous weather charts
> 17314.0   U.S. Coast Guard, duplex, ships call on 16432
> 17314.0   U.S. Coast Guard, Portsmouth, VA, Atlantic WX at 1730
> 17314.0   U.S. Coast Guard, San Francisco, CA, Pacific WX at 1630 and 2230
> 17421.0   U.S. Department Of Transportation evacuation F-8
> 17487.0   SHARES Coordination Network Ch. 8
> 17976.0   U.S. Air Force, Global High Frequency System
> 18205.0   Civil Air Patrol, Alaska
> 18220.0   (Fax) JMH, Tokyo, weather charts at 0110 and 1910
> 18825.0   Maritime simplex channel 18A
> 18828.0   Maritime simplex channel 18B
> 18831.0   Maritime simplex channel 18C
> 18834.0   Maritime simplex channel 18D
> 18837.0   Maritime simplex channel 18E
> 18840.0   Maritime simplex channel 18F
> 18843.0   Maritime simplex channel 18G
> 18889.5   (Sitor-A) FEMA, maritime channel 39
> 19290.0   FEMA, evacuations heard here
> 19680.5   (Sitor-B) International marine safety information
> 19757.0   FEMA (maritime channel 1802)
> 20107.0   SHARES Coordination Network Ch. 7
> 20873.0   Civil Air Patrol, all regions
> 22159.0   Maritime simplex channel 22A
> 22162.0   Maritime simplex channel 22B
> 22165.0   Maritime simplex channel 22C
> 22168.0   Maritime simplex channel 22D
> 22171.0   Maritime simplex channel 22E
> 22487.0   (CW) WLO, hourly weather in Gulf storms
> 22527.0   (Fax) U.S. Coast Guard, San Francisco, daytime weather charts
> 26617.0   Civil Air Patrol, all regions
> 26620.0   Civil Air Patrol, all regions
> 26812.0   SHARES Coordination Network Ch. 8
>
>   Amateur Traffic Handling Frequencies
>
> 01984.0 LSB Virgin Islands (VI, Puerto Rico, Lesser Antilles)

> 03710.0 LSB Puerto Rico
> 03808.0 LSB Caribbean Wx (1030)
> 03815.0 LSB Antigua/Antilles Emergency and Weather
> 03815.0 LSB Inter-island (continuous watch)
> 03818.0 LSB Antigua/Antilles
> 03845.0 LSB Gulf Coast West Hurricane
> 03862.5 LSB Mississippi Section Traffic
> 03865.0 LSB West Virginia Emergency
> 03873.0 LSB Central Gulf Coast Hurricane
> 03873.0 LSB Texas ARES Emergency
> 03905.0 LSB Pacific ARES (Hawaii)
> 03905.0 LSB Delaware Emergency
> 03907.0 LSB Carolina Coast Emergency
> 03910.0 LSB Mississippi ARES
> 03910.0 LSB Louisiana Traffic
> 03910.0 LSB Virginia Emergency, Alpha (ARES/RACES)
> 03913.0 LSB New York State Emergency
> 03915.0 LSB Louisiana Emergency
> 03915.0 LSB North Carolina
> 03915.0 LSB South Carolina Emergency
> 03915.0 LSB Massachusetts/Rhode Island Emergency
> 03917.0 LSB Eastern Pennsylvania Emergency
> 03920.0 LSB Maryland Emergency
> 03923.0 LSB Mississippi ARES
> 03923.0 LSB North Carolina ARES (Tar Heel)
> 03925.0 LSB Central Gulf Coast Hurricane
> 03925.0 LSB New York State Emergency
> 03925.0 LSB Louisiana Emergency (altn)
> 03925.0 LSB Southwest Traffic (altn)
> 03935.0 LSB Belize
> 03935.0 LSB Central Gulf Coast Hurricane
> 03935.0 LSB Louisiana Emergency
> 03935.0 LSB Texas ARES (health & welfare)
> 03937.0 LSB Western Massachusetts ARES
> 03940.0 LSB Southern Florida Emergency
> 03947.0 LSB Virginia Emergency, Bravo (health & welfare)
> 03950.0 LSB Northern Florida Emergency
> 03955.0 LSB South Texas Emergency
> 03960.0 LSB Northeast Coast Hurricane
> 03965.0 LSB Alabama Emergency (altn)
> 03965.0 LSB Connecticut Emergency
> 03967.0 LSB Gulf Coast (outgoing traffic)
> 03970.0 LSB New Jersey ARES
> 03975.0 LSB Georgia ARES
> 03975.0 LSB Texas RACES
> 03980.0 LSB Southeast Virginia ARES
> 03987.5 LSB Mexican National
> 03990.5 LSB New Jersey RACES

> 03993.0 LSB New York State RACES
> 03993.5 LSB Gulf Coast (health & welfare)
> 03993.5 LSB South Carolina Emergency
> 03995.0 LSB Gulf Coast Wx
> 03995.0 LSB Western New York State Coordination
> 07055.0 LSB El Grupo Seguimiento de Huracanes (Spanish)
> 07060.0 LSB Mexican (emergency and health & welfare) (Spanish)
> 07070.0 LSB Manana (Baja California)
> 07165.0 LSB Antigua/Antilles Emergency and Weather
> 07165.0 LSB Inter-island 40-meter (continuous watch)
> 07225.0 LSB Central Gulf Coast Hurricane
> 07230.0 LSB New York State Emergency
> 07230.0 LSB Southwest Traffic
> 07232.0 LSB South Carolina Emergency
> 07232.0 LSB North Carolina Emergency (Tar Heel) (altn)
> 07235.0 LSB Louisiana Emergency
> 07235.0 LSB Baja California
> 07235.0 LSB Central Gulf Coast Hurricane
> 07235.0 LSB West Virginia
> 07235.0 LSB Louisiana Emergency
> 07240.0 LSB American Red Cross US Gulf Coast Disaster
> 07240.0 LSB Texas Emergency
> 07240.0 LSB Virginia Emergency, Bravo (health & welfare) (altn)
> 07242.0 LSB Southern Florida ARES Emergency (altn)
> 07243.0 LSB Alabama Emergency
> 07243.0 LSB South Carolina Emergency
> 07245.0 LSB Southern Louisiana
> 07245.0 LSB New York State RACES
> 07247.5 LSB Northern Florida ARES Emergency (altn)
> 07248.0 LSB Texas RACES
> 07250.0 LSB Belize
> 07250.0 LSB Texas Emergency
> 07254.0 LSB Northern Florida Emergency
> 07260.0 LSB Gulf Coast West Hurricane
> 07260.0 LSB Virginia Emergency, Alpha (ARES/RACES) (altn)
> 07264.0 LSB Gulf Coast (health & welfare)
> 07265.0 USB Salvation Army Team Emergency Radio (SATERN)
> 07268.0 LSB Waterway
> 07273.0 LSB Texas ARES (altn)
> 07275.0 LSB Georgia ARES
> 07280.0 LSB NTS Region 5
> 07280.0 LSB Louisiana Emergency (altn)
> 07283.0 LSB Gulf Coast (outgoing only)
> 07285.0 LSB Texas ARES Emergency
> 07290.0 LSB Central Gulf Coast Hurricane
> 07290.0 LSB Gulf Coast Wx
> 07290.0 LSB Texas ARES (health & welfare)
> 07290.0 LSB Hawaii Emergency

> 07290.0 LSB Traffic
> 14185.0 USB Caribbean Emergency
> 14200.0 USB (Please advise)
> 14215.0 USB Pacific Inter-island
> 14222.0 USB Health & Welfare
> 14245.0 USB Health & Welfare
> 14265.0 USB Salvation Army Team Emergency Radio (SATERN)
> 14268.0 USB Amateur Radio Readiness Group
> 14275.0 USB Bermuda
> 14275.0 USB International Amateur Radio Net
> 14283.0 USB Caribus (health & welfare)
> 14300.0 USB Intercontinental Traffic and Maritime Mobile Service
> 14303.0 USB International Assistance & Traffic Net
> 14313.0 USB Intercontinental Traffic and Maritime Mobile Service (altn)
> 14316.0 USB Health & Welfare
> 14325.0 USB Hurricane Watch (Amateur-to-National Hurricane Center)
> 14340.0 USB Louisiana (1900)
> 14340.0 USB Manana (1900)
> 14340.0 USB California-Hawaii
> 21310.0 USB Health & Welfare (Spanish)
> 21390.0 USB Inter-Americas (health & welfare)
> 21400.0 USB Transatlantic Maritime
> 28410.0 USB New Jersey ARES
> 28450.0 USB Health & Welfare (Spanish)
>
> Abbreviations:
>
> ARES   Amateur Radio Emergency Service
> ARRL   American Radio Relay League
> ATC   Air Traffic Control
> CW   Continuous Wave telegraphy (Morse code)
> FAA   Federal Aviation Administration
> FACSFAC   Fleet Area Control & Surveillance Facility
> FAX   Facsimile, like in offices, only analog
> FEMA   Federal Emergency Management Agency
> FHWA   Federal Highway Administration
> GHFS   Global High Frequency System
> IARN   International Amateur Radio Network
> LSB   Lower Sideband
> MARS   Military Affiliate Radio System
> NAVTEX   Navigational Telex, safety and NTM for ships
> NCS   National Communications System
> NHC   National Hurricane Center, Miami
> NOAA   National Oceanic & Atmospheric Administration
> NTA   National Telecommunications Alliance, replaces Bellcore
> NTS   National Traffic System (amateur)
> SAR   Search And Rescue
> SECURE   State Emergency Capability Using Radio Effectively

> SHARES   Shared Resources, a Federal frequency pool & net
> SITOR   Simplex Telex Over Radio
> USB   Upper Sideband

Date: Thu, 10 Aug 2000 09:59:59 US/Eastern
From: n2cx@voicenet.com
To: qrp-l@lehigh.edu
Cc: n2cx@voicenet.com
Subject: [77038] RE: Phased verticals
Message-ID: <200008101359.JAA123804@nss4.cc.lehigh.edu>

Rick and all,

As a newly-minted extra back in the mid-60's I had a trio of phased 40 meter verticals.
They were constructed of 1-1/4 inch TV aluminum mast sections and arranged in a triangle about 1/4 wave on a side. Equal lengths of coax ran to each and I had a manual swichbox in the shack that would select two at a time and add the appropriate phaing line in series with one. It would switch in any of six directions.

As Paul, NA5N noted, there was little gain but it sure helped to null out QRP when chasing the weak dx on 40. With 35 watts in (legitimate qrp at the time) and a handful of crystals my J-38 and I snagged over 40 countries. Sure wish I had the space for that now...

72/73,

Joe E., N2CX

This message was sent using Voicenet WebMail.
      http://www.voicenet.com/webmail/

Date: Thu, 10 Aug 2000 10:06:03 -0500
From: David Heintzleman <pstrdave@kdsi.net>
To: n2cx@voicenet.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77039] Re: Phased verticals
Message-ID: <3992C4DB.1BE05BF0@kdsi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

"null out QRP"   O i hope not.
thanks, Joe for the chuckle and sharing your experience
73, Dave K8BBM

n2cx@voicenet.com wrote:
>
> Rick and all,
>
> As a newly-minted extra back in the mid-60's I had a trio of phased 40 meter
verticals.
> They were constructed of 1-1/4 inch TV aluminum mast sections and arranged in a
> triangle about 1/4 wave on a side. Equal lengths of coax ran to each and I had
a
> manual swichbox in the shack that would select two at a time and add the
> appropriate phaing line in series with one. It would switch in any of six
directions.
>
> As Paul, NA5N noted, there was little gain but it sure helped to null out QRP
when
> chasing the weak dx on 40. With 35 watts in (legitimate qrp at the time) and a
> handful of crystals my J-38 and I snagged over 40 countries. Sure wish I had
the
> space for that now...
>
> 72/73,
>
> Joe E., N2CX
>
> --
> This message was sent using Voicenet WebMail.
>   http://www.voicenet.com/webmail/

Date: Thu, 10 Aug 2000 12:10:00 -0400
From: Bill Coleman AA4LR <aa4lr@radio.org>
To: <ALaurent@npr.org>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [77040] RE: Teaching 5 WPM Code
Message-ID: <1000710120959.MAB20861@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 8/4/00 4:07 AM, Arthur Laurent at ALaurent@npr.org wrote:

>They say "copying dots and dashes is not copying CW."

The true irony here is that Samuel Morse invented his code to be copied
by eye from a paper tape strip. It was only after operators were
discovered to copy by listening to the sound of the transcriber that
copying by ear came into vogue.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@radio.org
Quote: "Boot, you transistorized tormentor! Boot!"
-- Archibald Asparagus, VeggieTales

Date: Thu, 10 Aug 2000 11:16:29 -0500
From: "Kevin Muenzler, WB5RUE" <wb5rue@arrl.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [77041] RE: Teaching 5 WPM Code
Message-ID: <000201c002e6$58163d40$ef5d6f81@v8.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ok Arthur,
What were the first letters you learned? Was it E or T? I have found that
learning the sounds and cadence of the E, I, S and H and then T, M, and O in
that order makes it much easier when learning the other letters. Maybe
that's the big problem with the "new learning" these days. We're starting
with A and going to Z. Whatchathink?

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Bill Coleman AA4LR
> Sent: Thursday, August 10, 2000 11:10 AM
> To: Low Power Amateur Radio Discussion
> Subject: RE: Teaching 5 WPM Code
>
>
> On 8/4/00 4:07 AM, Arthur Laurent at ALaurent@npr.org wrote:

>
> >They say "copying dots and dashes is not copying CW."
>
> The true irony here is that Samuel Morse invented his code to
> be copied
> by eye from a paper tape strip. It was only after operators were
> discovered to copy by listening to the sound of the transcriber that
> copying by ear came into vogue.
>
>
>
> Bill Coleman, AA4LR, PP-ASEL   Mail: aa4lr@radio.org
> Quote: "Boot, you transistorized tormentor! Boot!"
>   -- Archibald Asparagus, VeggieTales
>
>

Date: Thu, 10 Aug 2000 16:32:04 GMT
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [77042] PIC Frequency Counters
Message-ID: <F210C8wSA1XvpFVjCRG0000000d@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

What do you guys and gals (and ?) use for homebrew PIC frequency counters?
I've seen a number of examples of code for 7 digit displays but there is an
intriguing design posted at (by JG6DFK/QRP):

http://www3.justnet.ne.jp/~32lab/products/measure/PIC-FC1/doc_e.htm

Anyone have any experience with this or other borrowed designs?

I'm gradually learning my way to programming PICs. I managed to build a
programmer and get it working and have also managed to get a PIC to
communicate with an LCD module in 8 bit mode (Ooo! big deal.) so I am pretty
happy so far.

Brad

Date: Thu, 10 Aug 2000 13:18:31 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [77043] Results: free to a good home...
Message-ID: <00d401c002ef$03556020$2d0a05cc@rochester.com>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Folks,

I'd like to thank everybody who nominated a deserving candidate to receive the assembled SMK-1. I wish I had enough to send one to everybody - apparently there are a lot more hams than there are radios. (Grin)

But I had only one to give, and it's on its way to Tom Ziko, WA1VAI. I sent it out Priority Mail today, Tom, so you should be seeing it in a few days.

Thanks again, everybody - and better luck next time. (Yes, there might just be a next time.)

Dave

David Hinerman WD8CIV
Ontario, NY Grid FN13IF
dlh1009@rit.edu

Date: Thu, 10 Aug 2000 13:44:38 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [77044] Re: Results: free to a good home...
Message-ID: <00dd01c002f2$b258f750$2d0a05cc@rochester.com>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

> Can you send out why you think he should get it? Or atleast what he said
> that made you think he needed it more than others.

Marty,

His stated intent was to do what I wish I could do - take a little rig to the park and operate under a clear blue sky.

A man after my own heart.

Dave

Date: Thu, 10 Aug 2000 18:39:39 +0100
From: Euramcom <mel@euramcom.freeserve.co.uk>
To: <qrp-l@lehigh.edu>
Cc: <gqrp@lineone.net>
Subject: [77045] OT: Ham Radio Links
Message-ID: <E13MwZt-00059d-00.2000-08-10-18-57-14@cmailg1.svr.pol.co.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi Gangue,

Just a reminder those of you who have websites can link to the
EurAmCom site direct yourself with any ham related pages.

Go to:

http://www.euramcom.freeserve.co.uk

and then click on Add-a-Link and follow the directions there to=
 add
your link instantly! Please Use the URL above to add EurAmCom to=
 your
pages in turn for those who wish details of Euro/American=
 equivalents
parts for their projects , both qrp and qro (shhhh!)
--72 and 73 de Mel Evans, e-mail mel@euramcom.freeserve.co.uk

Mel Evans GM6JAG Edinburgh Scotland
Home of the last HW9

Visit http://www.euramcom.freeserve.co.uk for
US Euro Ham Radio Equivalent Parts and info,
Add-a-Link page let's you add your own pages instantly

Date: Thu, 10 Aug 2000 13:57:19 -0400

From: ekwik@rtimail.com
To: qrp-l@Lehigh.EDU
Subject: [77046] Use of a Tuner
Message-ID: <OFAEC040BC.F1779E44-ON85256937.00619883@rtimail.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Is this right? I have a MFJ 971 QRP tuner. It has a built in cross needle SWR meter. When I want to measure an antennas SWR I do the following. I put my 50 ohm dummy load on the tuner's antenna connector and adjust it for a 1:1 reading. I disconnect the dummy load and attach the antenna and without making any adjustments to the tuner, I read the SWR. Am I doing anything stupid?

Ed AB8DF

Date: Thu, 10 Aug 2000 13:04:02 -0500
From: "George , W5YR" <w5yr@att.net>
To: ekwik@rtimail.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77047] Re: Use of a Tuner
Message-ID: <3992EE92.698E8667@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

No, not stupid, Ed.

But, I would suggest that you try switching the tuner out of the circuit (most MFJ tuners have a direct or straight-through switch setting) and then applying enough power to get a reading on the meter(s).

That way, you will get a direct reading of the SWR on the feedline itself, instead of what the transmitter is seeing with the "50-ohm-tuned" tuner in line.

72/73, George   W5YR - the Yellow Rose of Texas
Fairview, TX   30 mi NE Dallas in Collin county   QRP-L 1373
Amateur Radio W5YR, in the 54th year and it just keeps getting better!
R/C since 1964 - AMA 98452   RVing since 1972   Kachina #91900556
(12/99)

ekwik@rtimail.com wrote:
>

> Is this right? I have a MFJ 971 QRP tuner. It has a built in cross needle
> SWR meter. When I want to measure an antennas SWR I do the following. I
> put my 50 ohm dummy load on the tuner's antenna connector and adjust it for
> a 1:1 reading. I disconnect the dummy load and attach the antenna and
> without making any adjustments to the tuner, I read the SWR. Am I doing
> anything stupid?
>
> Ed AB8DF

Date: Thu, 10 Aug 2000 19:08:45 +0100
From: "Bob Myers" <bmyers@primenet.com>
To: <qrp-l@Lehigh.EDU>
Subject: [77048] Telephone toroids?
Message-ID: <000b01c002f6$08186240$02000003@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

I'm looking for a dozen or so of the old telephone toroids (remember them?). They once came in tightly wrapped packets of 5 with a value of either 44 or 88 mH. As I remember, some fellow in Philadelphia was selling them for about $2 per pack. But that was 30 years ago! I don't suppose that "Mr. Philadelphia" is still around (?).

Anyone know where I can find a bunch of these? I have some in a junk box but not enough.

Thanks,

Bob Myers, W1XT
Phoenix, AZ
bmyers@primenet.com

Date: Thu, 10 Aug 2000 14:13:17 -0400
From: "Ed Tanton" <n4xy@att.net>
To: "QRP-L Reflector" <qrp-l@Lehigh.EDU>
Cc: "CW Reflector" <cw@qth.net>, "SWL Reflector" <swl@qth.net>
Subject: [77049] FW: WWV-Message
Message-ID: <CKEGICNFDIMCEKEDCEHFOEDKDJAA.n4xy@att.net>
MIME-Version: 1.0

Content-Type: text/plain;
     charset="us-ascii"
Content-Transfer-Encoding: 7bit

Here one comes again...

-----Original Message-----
From: owner-wwv-list@sec.noaa.gov [mailto:owner-wwv-list@sec.noaa.gov]On
Behalf Of Anonymous FTP user
Sent: Thursday, August 10, 2000 2:07 PM
To: wwv-list-send@dawn.sec.noaa.gov
Subject: WWV-Message

:Issued: 2000 Aug 10 1806 UT
Prepared by the U.S. Dept. of Commerce, NOAA, Space Environment Center.
#
Geophysical Alert Message
#
Solar-terrestrial indices for 9 August follow.
Solar flux 182 and Boulder A-index 6.
The Boulder K-index at 1800 UT on 10 August was 4 (58 nT).

Solar-terrestrial conditions for the last 24 hours follow.
Solar activity was low.
The geomagnetic field was at quiet to minor storm levels.

The forecast for the next 24 hours follows.
Solar activity will be low to moderate.
The geomagnetic field will be at active to minor storm levels.

Date: Thu, 10 Aug 2000 12:31:55 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-canada@lists.gpfn.sk.ca, qrp-l@lehigh.edu
Subject: [77050] Minor GMS 10AUG
Message-ID: <Pine.SUN.4.10.10008101220280.15098-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,
There is a MINOR geomagnetic storm (GMS) in progress with the current
K index at 4. The storm was triggered by an "interplanetary shockwave,"
meaning a sudden increase in the solar wind. The exact cause is not
known, as there were no CME's detected a couple of days ago, and a bit
too soon for yesterdays M class flare.

Checking the proton monitors on the SOHO satellite, solar wind took a sudden jump from about 350 km/sec to about 500, accompanied with an increase in particle density. This is the classic signature of a CME type of shockwave, not a coronal hole. Solar wind is winding back down towards the 400 km/sec range, so I suspect the effects of this minor storm will be over around supper time for most of us.

The increase in particle density means the effects of this storm are likely greater (major storm conditions) in Canada and the higher latitudes, and will also likely return to normal levels by this evening.

Speaking of solar conditions ... there was a fairly large, full halo CME detected yesterday by the various satellites from an active region in the center of the sun ... even though NOT associated with a flare. It is the CME that produces the shockwave, not neccessarily the flare. So this means there is a chance of another minor to major GMS late tomorrow or saturday that will probably have a duration of 12 hours or less, with enhanced effects "up north" (and south!). However, since there was no flare associated with this CME, means there were no high levels of protons released, and a polar cap absorption event (very high absorption in the polar region) will likely NOT occur ... just a regular old GMS for the higher latitudes, and a lesser effect for the middle latitudes.

The sun itself, seems fairly quiet, even though several active regions exist, but need to develop in magnetic intensity before any serious flare activity could occur.

72, Paul NA5N

Date: Thu, 10 Aug 2000 11:35:12 -0700
From: Russ Carpenter <russ@natworld.com>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [77051] Results of the AUGUST SPARTAN SPRINT
Message-ID: <B5B843ED.54B0%russ@natworld.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

The August Spartan Sprint was the usual summery thing. A little noisy, but still easy going fun. Participation and scores were moderate, which is typical for this month.

The soapbox was published separately in the August issue of The ARS

Sojourner, which went live today. As usual, the soapbox and Sojourner are jam packed with great material. Don't miss them! http://www.natworld.com/ars

Each contact received one point. If you didn't tell us the weight of your station, or if it weighed more than the Golden Gate Bridge, we assigned a weight of 30 pounds.

THE SKINNY DIVISION (results sorted in order of points per pound)

Call	Name	80m	40m	20m	15m	10m	Total Qs	Wt.	Qs/ Pound
N7RVD	Brian	0	0	22	0	0	22	1.1	20.00
N0SXX	Gary	0	0	25	0	0	25	1.4	17.86
AD4J	Jim	0	0	15	0	0	15	1	15.00
AA7QU	Russ	0	0	17	0	0	17	1.5	11.33
K2UD	Howard	0	13	0	0	0	13	1.5	8.67
K1QM	Joel	0	9	17	0	0	26	3	8.67
AJ4Y	Paul	0	8	41	0	0	49	6	8.17
K7TQ	Randy	0	0	19	0	0	19	2.5	7.60
K4FDK	John	0	13	0	0	0	13	1.9	6.84
AE6N	Jim	0	0	19	0	0	19	3	6.33
AE6N	Jim	0	0	19	0	0	19	3	6.33
N4HAY	Dick	0	10	13	0	0	23	4	5.75
KB9LCK	Chris	0	4	14	0	0	18	4	4.50
W1PID	Jim	0	9	4	0	0	13	2.9	4.48
KI0II	Ron	0	2	21	0	0	23	6.1	3.77
KH6B	Dean	0	12	9	0	0	21	6	3.50
N0IBT	Dave	0	0	15	0	0	15	4.5	3.33
W0UFO	Mert	0	0	26	0	0	26	8	3.25
N3AO	Carter	0	8	7	0	0	15	6	2.50
W2BVH	Lenny	0	8	3	0	0	11	6	1.83
N2CX	Joe	0	8	1	0	0	9	5	1.80
N5IW	Dave	0	7	38	0	0	45	30	1.50
K2QO	Mark	0	1	8	0	0	9	6	1.50
WD9IFF	Woody	0	0	8	0	0	8	7	1.14
WA9TZE	Jim	1	18	14	0	0	33	30	1.10
NK9G	Rich	0	6	21	0	0	27	30	0.90
WA4DOU	Roy	0	0	22	1	0	23	31	0.74
K6PZB	John	0	2	18	2	0	22	30	0.73
W4EN	Ed	0	0	16	1	0	17	25	0.68
N7LT	Lyndel	0	0	16	1	0	17	30	0.57
KO7X	Alan	0	0	12	0	0	12	30	0.40
AL7OK	John	0	0	6	0	0	6	16	0.38
W9SUL	Dave	0	0	11	0	0	11	30	0.37
KA9TXE	Terry	0	7	4	0	0	11	30	0.37
K4AVX	John	0	2	2	0	0	4	13	0.31
KS4L	Randy	0	3	6	0	0	9	30	0.30

K5IS	Jerome	0	7	0	0	0	7	30	0.23
W9FNB	Gary	0	3	0	3	0	6	30	0.20
KG9PQ	Cal	0	0	4	0	0	4	30	0.13
K0CO	Jack	0	0	2	0	0	2	30	0.07
AA8IV	Richard	0	0	1	0	0	1	30	0.03

THE TUBBY DIVISION (results sorted in order of points)

Call	Name	80m	40m	20m	15m	10m	Total Qs
AJ4Y	Paul	0	8	41	0	0	49
N5IW	Dave	0	7	38	0	0	45
WA9TZE	Jim	1	18	14	0	0	33
NK9G	Rich	0	6	21	0	0	27
K1QM	Joel	0	9	17	0	0	26
W0UFO	Mert	0	0	26	0	0	26
N0SXX	Gary	0	0	25	0	0	25
WA4DOU	Roy	0	0	22	1	0	23
KI0II	Ron	0	2	21	0	0	23
N4HAY	Dick	0	10	13	0	0	23
N7RVD	Brian	0	0	22	0	0	22
K6PZB	John	0	2	18	2	0	22
KH6B	Dean	0	12	9	0	0	21
AE6N	Jim	0	0	19	0	0	19
AE6N	Jim	0	0	19	0	0	19
K7TQ	Randy	0	0	19	0	0	19
KB9LCK	Chris	0	4	14	0	0	18
AA7QU	Russ	0	0	17	0	0	17
N7LT	Lyndel	0	0	16	1	0	17
W4EN	Ed	0	0	16	1	0	17
N3AO	Carter	0	8	7	0	0	15
N0IBT	Dave	0	0	15	0	0	15
AD4J	Jim	0	0	15	0	0	15
K2UD	Howard	0	13	0	0	0	13
K4FDK	John	0	13	0	0	0	13
W1PID	Jim	0	9	4	0	0	13
KO7X	Alan	0	0	12	0	0	12
W9SUL	Dave	0	0	11	0	0	11
W2BVH	Lenny	0	8	3	0	0	11
KA9TXE	Terry	0	7	4	0	0	11
N2CX	Joe	0	8	1	0	0	9
KS4L	Randy	0	3	6	0	0	9
K2QO	Mark	0	1	8	0	0	9
WD9IFF	Woody	0	0	8	0	0	8
K5IS	Jerome	0	7	0	0	0	7
W9FNB	Gary	0	3	0	3	0	6

AL7OK	John	0	0	6	0	0	6
KG9PQ	Cal	0	0	4	0	0	4
K4AVX	John	0	2	2	0	0	4
K0CO	Jack	0	0	2	0	0	2
AA8IV	Richard	0	0	1	0	0	1

****

Thanks for supporting The Adventure Radio Society!

Russ Carpenter, AA7QU
Contest Manager

Date: Thu, 10 Aug 2000 12:51:19 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: qrp-canada@lists.gpfn.sk.ca, qrp-l@lehigh.edu
Subject: [77052] More GMS stuff?
Message-ID: <Pine.SUN.4.10.10008101246490.15430-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,
OK ... I'm just clearing out my email during my lunch break and just posted the minor GMS warning. Now ... while listening to KOB AM in Albuquerque, Russ Limbaugh just dropped off line and they are saying that all satellites are down so went to a taped program. Just tuned to another station with Laura Schlesenger (sp?) and they are reporting the same ... lost satellite feed.

Related? Hmmm ... curious timing. Just checked the electron intensities and things like that and all look fairly normal. Might be worth watching over the next couple of hours on www.sec.noaa.gov/today.html

72, Paul NA5N

Date: Thu, 10 Aug 2000 18:54:46 GMT
From: "Michael Herman" <kc9nf@hotmail.com>
To: bob_briscoe@yahoo.com, K9ze@aol.com, frank@electronicinstrument.com, qrp-l@Lehigh.EDU, SKIPNC9O@aol.com, tentec@contesting.com
Subject: [77053] fs b4 hamfesters

Message-ID: <LAW2-F312ORxDmilNd7000057fc@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Anyone want a shot b4 hamfesters HF???
Zenith T.O. R7000 or R7000/y bo??
Zenith T.O. R3000 #1 or #2?? Bo??
MFJ ant meter need TLC Bo?? #407
Hamkey dual paddle Bo???

Mike n9nf 1-773-276-6688 days

Date: Thu, 10 Aug 2000 13:46:37 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: ekwik@rtimail.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77054] Re: Use of a Tuner
Message-ID: <Pine.LNX.4.10.10008101344190.1254-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Stop the part with a dummy load. Attach the antenna to the tuner and then
on a clear frequency near where you want to operate, tune the tuner so
there is no reverse power and good forward power. Now your ready to Ham.

On Thu, 10 Aug 2000 ekwik@rtimail.com wrote:

> Is this right? I have a MFJ 971 QRP tuner. It has a built in cross needle
> SWR meter. When I want to measure an antennas SWR I do the following. I
> put my 50 ohm dummy load on the tuner's antenna connector and adjust it for
> a 1:1 reading. I disconnect the dummy load and attach the antenna and
> without making any adjustments to the tuner, I read the SWR. Am I doing
> anything stupid?
>
> Ed AB8DF
>
>
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Thu, 10 Aug 2000 14:14:06 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: QRP-L List <qrp-l@lehigh.edu>
Subject: [77055] 2SC2166C in Argonaut
Message-ID: <Pine.LNX.4.10.10008101403540.1254-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

In my quest to soup up my old but good Argonaut I got advice from Rf Parts that the 2SC2166C is a TO-220 case transistor good for 5 watts of RF output over the HF bands. I took their device and would like someone who has a xister manual listing this device to send me the details.

This transistor cost $1.30 from Rf Parts and they have a $25.00 minimum so I bought 20 of them. I plan to match transistors beta wise with a simple circuit that draws about 1/2 max collector current and then pair up those that are close.

There are at least 6 people that want to do the same thing I am doing and will need 2 transistors to do it. I will sell them at cost which is $3.00 a pair to those wanting them.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Thu, 10 Aug 2000 14:10:28 -0600
From: "Rod, N0RC" <n0rc@qsl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [77056] Last items: Re: ant, mobile rig...misc.
Message-ID: <023501c00307$0dfb47c0$6e8511d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
    charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: Rod, N0RC <n0rc@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Wednesday, August 09, 2000 7:04 PM
Subject: FS: ant, mobile rig...misc.

> Mid-summer Shack Down-sizing Extravaganza.
- -

Emtech ZM-2 Assembled, $50, CONUS shipping included.

Pictures of the actual item at:

http://www.qsl.net/n0rc/zm2/zm2-pix.html

ZM-2 Specs at:

http://emtech.steadynet.com/zmdesc.htm

- -

DSW-20 + Anodized Case ** UNBUILT ** $135 shipped CONUS!!!

Details at: www.smallwonderlabs.com

I hate to have to sell this but I need the cash more that the
radio right now.

The case is on back order, I'll ship it to you as soon as I get
it buyer pays now only for the DSW-20 board kit $95

- -

Buy both items and deduct $10 off total price.

72/3 Rod, N0RC -- Fort Collins, CO

Date: Thu, 10 Aug 2000 16:13:16 -0400
From: Bill Coleman AA4LR <aa4lr@radio.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [77057] Re: construction: cut off disks...
Message-ID: <1000710161316.QAA17460@gate.iterated.com>

Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 8/9/00 8:58 PM, David Hinerman at dlh1009@ritvax.isc.rit.edu wrote:

>I had some Dremel-style cutoff disks I got at Sears, that looked like
>tar-impregnated burlap circles about 1.25 inches across. They had a
>crosshatch pattern of fibers, and held an abrasive resin. They're slightly
>flexible and don't break like the carbide disks. They also wear away as
>you use them, but they're cheaper, too. They'll cut heat-treated stainless
>stell, too - a lot better than the carbide would.

I recently made a big mistake in building a playground for my kids, and put in 16d nails where they should have been 10d (ie had about a 1/2" of wicked-looking nail end stickout out of the wood!). To salvage the work, I decided to leave the 16d nails in place, and cut the ends off below the wood.

I got out my Dremel tool, and a reinforced cut-off wheel descibed above. It cut off exactly 1.8 nail ends before it wore away COMPLETELY.

My solution was to drop $70 on a quality pneumatic cut-off wheel, which promptly cut off the 30+ nail ends -- showing only minimal wear. It's probably too coarse a tool for pc boards. For that, a side-cutting router bit and a router table may be more appropriate.

Before using any sort of cutoff wheel or disk, WEAR EYE PROTECTION! And gloves are a strong suggestion.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@radio.org
Quote: "Boot, you transistorized tormentor! Boot!"
  -- Archibald Asparagus, VeggieTales

Date: Thu, 10 Aug 2000 16:22:29 -0400
From: Gregory Lawrence <gwl1@cornell.edu>
To: qrp-l@Lehigh.EDU
Subject: [77058] Re--Telephone toroids?
Message-ID: <4.2.0.58.20000810161424.00adab10@postoffice.mail.cornell.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 07:08 PM 08/10/2000 +0100, you wrote:
>Folks,
>
>I'm looking for a dozen or so of the old telephone toroids (remember them?).

>They once came in tightly wrapped packets of 5 with a value of either 44 or
>88 mH. As I remember, some fellow in Philadelphia was selling them for about
>$2 per pack. But that was 30 years ago! I don't suppose that "Mr.
>Philadelphia" is still around (?).
>
>Anyone know where I can find a bunch of these? I have some in a junk box
>but not enough.
>
>Thanks,
>
>Bob Myers, W1XT
>Phoenix, AZ
>bmyers@primenet.com

Hi Bob:

It's a coincidence that I just checked the 1980 volume of QST out of our engineering library. In December, Edward E. Wetherhold, W3NQN, wrote "Modern Design of a CW Filter Using 88- and 44-mH Surplus Inductors." I remember buying one of his kits in 1987.

With the help of the League website, I located his address:

WETHERHOLD, EDWARD E, W3NQN (Advanced)
1426 CATLYN PL
ANNAPOLIS, MD 21401-4208

He may be able to help you with the inductors. Email me directly if you need a photocopy of the article.

gregL w2jwm

Gregory Lawrence 607.255.3242
Government Information Librarian 607.255.0318 (fax)
Albert R. Mann Library GWL1@cornell.edu
Cornell University
Ithaca, NY 14853

In our libraries democracy is being reborn.

Date: Thu, 10 Aug 2000 13:24:33 -0700 (PDT)
From: Jim NOUR <n0ur@yahoo.com>
To: qrp-l@Lehigh.EDU, rattray@gpfn.sk.ca
Subject: [77059] FOX- Final log N0UR
Message-ID: <20000810202433.4988.qmail@web208.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

This should be it. Wanted to post this before Doc's
run tonight. Again thank you to everyone, see you in
1 week, Aug 17th
>
> 2000   N4ROA   599   VA   DAN   970
> 2001   VE5RC   559   SK   BRUCE   886
> 2002   N1FN   559   CO   ET   163
> 2003   K1QM   579   MA   JOEL   337
> 2004   K5AAR   559   OK   DON   1512
> 2004   K8CV   559   MI   WALT   935
> 2005   VA6RF   579   AB   EARL   1076
> 2006   K5DI   579   NM   KARL   2195
> 2007   N5TW   559   TX   TOM   1474
> 2007   AF5Z   579   TX   BOB   984
> 2008   AF4LQ   579   KY   MIKE   1395
> 2009   NQ7X   559   AZ   FLOYD   343
> 2010   K0PC   559   MN   PAT   1964
> 2010   NK7M   579   AZ   BOB   271
> 2011   KC1FB   589   CT   JIM   29
> 2012   VE7SL   579   BC   STEVE   769
> 2013   K5OI   559   NM   TIM   73
> 2014   W0CH   599   MO   DAVE   618
> 2015   N5ZE   559   TX   LEW   2178
> 2016   AF4PS   559   FL   MAC   704
> 2017   AJ4Y   579   FL   PAUL   1795
> 2018   N5IW   559   TX   DAVE   1718
> 2019   W8DIZ   599   OH   DIZ   1998
> 2020   K5LN   559   TX   BILL   1794
> 2020   WJ1R   559   CO   LARRY   2137
> 2022   W2XN   559   FL   FRED   1728
> 2024   N6MM   559   CA   HARVEY   5W
> 2025   AJ4AY   579   AL   JAY   1372
> 2027   KB7WW   559   OR   ART   290
> 2027   K7TQ   559   ID   RANDY   102
> 2029   W4EN   559   NJ   ED   2216
> 2030   N5NF   559   TX   WALT   5W
> 2032   K8ZT   589   OH   ANTHONY 445
> 2033   N5MX   559   TX   JOHN   5W
> 2034   K0EVZ   549   ND   DOC   861
> 2035   K0SQ   599   MN   CHUCK   5W

```
> 2037   K6VNX   559   CA   ARLEN     5W
> 2039   W4WLG   559   TX   DON       5W
> 2040   W7ILW   559   AZ   HOWARD  2010
> 2044   WB6JBM  559   OH   RICK    1118
> 2047   N5FC    559   TX   MONTY   2202
> 2048   K7QO    559   AZ   CHUCK      1
> 2049   AF4PP   559   GA   CHUCK   1785
> 2050   N5IB    559   LA   JIM     1913
> 2053   KF2P    579   NY   NICK      13
> 2054   KM5VY   559   NM   TOM     1592
> 2057   N0RC    339   CO   ROD     1764
> 2058   W7QQQ   559   AZ   JACK    1210
> 2100   N6WG    339   CA   BOB       26
> 2101   NW7DX   449   WA   BEN     1892
> 2104   AE9F    339   CA   DAN       5W
> 2105   WA7SPY  559   CA   GLENN   2214
> 2107   NV4V    579   KY   PETE    1721
> 2108   K1CL    449   MA   CHUCK    217
> 2111   WD5CMA  549   LA   GLORIA    5W
> 2113   KG4BIG  559   KY   KEN     1974
> 2114   K3NY    559   MD   NICK    1927
> 2118   AB8DF   219   OH   KEN     1444
> 2121   W1II    559   ME   JOHN      4W
> 2124   KG7PV   539   OR   STEVE    109
> 2127   VE6JAZ  419   AB   ROB      50W
> 2129   KI0II   559   CO   RON      928
> 2130   K7FD    559   OR   JOHN    1633
> 2134   AA0ZZ   599   MN   CRAIG   1238
> 2136   WA8KOQ  449   TN   WINK      5W
> 2139   W5YW    549   LA   MIKE      5W
> 2144   W8HRQ   559   MT   DON       5W
> 2145   VE5VA   559   SK   PETE      46
> 2147   KB1ENS  559   VT   JOHN    2150
> 2152   K1T     569   RI   JOHN      5W
> 2155   AA7EQ   559   AZ   BOB     2186
> 2159   N4HAY   579   NC   DICK    1008
```

Date: Thu, 10 Aug 2000 13:25:39 -0700 (PDT)
From: Richard Fisher <ki6sn@yahoo.com>

To: QRP-L Reflector <qrp-l@lehigh.edu>
Cc: KI6SN@yahoo.com
Subject: [77060] Now Showing: The ARS Sojourner
Message-ID: <20000810202539.24036.qmail@web204.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

The August edition of the Adventure Radio Society's monthly web magazine, The ARS Sojourner, has hit the streets and is just a click away at:

http://www.natworld.com/ars

This month's edition includes:

+ The Golf Ball Retriever Vertical, by Bary Foster, AA7LE
+ Hitting the High Points: Logging the Tallest Peaks in 50 States, by Richard Fisher, KI6SN
+ Notes From the Hive, By Dee Hester, K7UD
+ N4BP's Flight of the Bumblebees, By Bob Patten, N4BP
+ The Timp Hike: Notations from a Radio Operator's Journal, By Dr. Bob Armstrong, N7XJ
+ Top of the World: Then and Now, By John Cummings, VE3JC
+ ARS Announces New Enhancements to its Technical Program, by Russ Carpenter, AA7QU
+ From Our Vantage Point, The ARS Sojourner
+ Who's Who And Who's New: New Members of the Adventure Radio Society, by Richard Fisher, KI6SN
+ Our Readers Write: Letters to The ARS Sojourner
+ The results of the August Spartan Sprint, and your soapbox comments.
+ The Wilderness Alerts for August, 2000 (regularly updated)
+ Plus a complete rundown of upcoming ARS events, including details of the September Spartan Sprint which is being coordinated with the Michigan Labor Day Sprint.

AND PLEASE NOTE: In a special supplement of The ARS Sojourner, we'll publish a Bumblebee supplement of August 20. So, stay tuned!

On behalf of ARS webmaster Russ Carpenter, AA7QU, the staff of The ARS Sojourner, and this month's other talented contributors, we hope you enjoy the August edition. As always, your comments are greatly appreciated.

Vy 72,

Richard Fisher, KI6SN
Executive editor, The ARS Sojourner
Riverside, CA

KI6SN@yahoo.com

Date: Thu, 10 Aug 2000 20:29:55 GMT
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [77061] Re: PIC Frequency Counters
Message-ID: <F319cVYMh9iJuQAxdLM0000827e@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Brad Hernlem (alihernlem@hotmail.com) asked:

>What do you guys and gals (and ?) use for homebrew PIC
>frequency counters? I've seen a number of examples of code
>for 7 digit displays...

They all work well because they are all use the same algorithm,
described in Microchip Application Note AN592. This showed how
to extend the 8 bit event counter to 16 bits by accessing
the (otherwise-inaccessible) prescaler register. Published
designs routinely add another counter in front of the PIC,
accessing it the same way.

They are so simple and work so well that I am amazed that
people still try to build counters out of discrete logic.
Ugh!

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89mg pied a terre..."
- Hospital/Shafte

Date: Thu, 10 Aug 2000 16:44:57 -0400
From: "Hare, Ed, W1RFI" <w1rfi@arrl.org>
To: "'gwl1@cornell.edu'" <gwl1@cornell.edu>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77062] RE: Re--Telephone toroids?
Message-ID: <125490A005E3D3118C9C00805FC743CCB2C2FD@mail.arrl.org>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"

A bit more info from http://www.arrl.org/tis/tisfind.html:

Company
Ed Wetherhold, W3NQN

1426 Catlyn Pl

Annapolis, MD 21401-4208

USA

Tel: 410-268-0916

Fax: 410-268-4779

Products and Services
APPEARS IN ARRL HANDBOOK; KIT>AMATEUR RADIO KIT; COMPONENT>SURPLUS COMPONENT;FILTER>AUDIO FILTER; FILTER>BANDPASS TRANSMIT FILTER; FILTER>BROADCAST BAND FILTER; FILTER>LOW PASS FILTER; FILTER>NOTCH FILTER; FILTER>BANDPASS RECEIVE ONLY FILTER;
Notes
CW Filter kits and 88mH toroidal inductors. 200-Watt Bandpass Filters for Amateur Bands. 1500-Watt Lowpass Filters for Amateur Bands. Bandstop (Notch) Filter designs & Parts.

73,
Ed Hare, W1RFI
ARRL Laboratory Supervisor
225 Main St
Newington, CT 06111
Tel: 860-594-0318
FAX: 860-594-0259
Internet: w1rfi@arrl.org
ARRL Web: http://www.arrl.org
ARRL Technical Information Service: http://www.arrl.org/tis/

> -----Original Message-----
> From: Gregory Lawrence [mailto:gwl1@cornell.edu]
> Sent: Thursday, August 10, 2000 4:22 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re--Telephone toroids?
>
>
> At 07:08 PM 08/10/2000 +0100, you wrote:
> >Folks,
> >
> >I'm looking for a dozen or so of the old telephone toroids
> (remember them?).
> >They once came in tightly wrapped packets of 5 with a value
> of either 44 or
> >88 mH. As I remember, some fellow in Philadelphia was
> selling them for about
> >$2 per pack. But that was 30 years ago! I don't suppose that "Mr.
> >Philadelphia" is still around (?).
> >
> >Anyone know where I can find a bunch of these? I have some
> in a junk box
> >but not enough.
> >
> >Thanks,
> >
> >Bob Myers, W1XT
> >Phoenix, AZ
> >bmyers@primenet.com
>
>
> Hi Bob:
>
> It's a coincidence that I just checked the 1980 volume of QST
> out of our
> engineering library. In December, Edward E. Wetherhold, W3NQN, wrote
> "Modern Design of a CW Filter Using 88- and 44-mH Surplus
> Inductors." I
> remember buying one of his kits in 1987.
>
> With the help of the League website, I located his address:
>
> WETHERHOLD, EDWARD E, W3NQN (Advanced)
> 1426 CATLYN PL
> ANNAPOLIS, MD 21401-4208
>
> He may be able to help you with the inductors. Email me

> directly if you
> need a photocopy of the article.
>
> gregL w2jwm
>
>
>
>
>
> Gregory Lawrence   607.255.3242
> Government Information Librarian
> 607.255.0318 (fax)
> Albert R. Mann Library
> GWL1@cornell.edu
> Cornell University
> Ithaca, NY 14853
>
>   In our libraries democracy is being reborn.
>

Date: Thu, 10 Aug 2000 14:59:31 -0600
From: "Rod, N0RC" <n0rc@qsl.net>
To: "qrp-l" <qrp-l@Lehigh.EDU>
Subject: [77063] UPDATE SOLD ITEMS: Re: Last items: Re: ant, mobile rig...misc.
Message-ID: <029801c0030d$e4ea6a80$6e8511d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: Rod, N0RC <n0rc@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Thursday, August 10, 2000 2:10 PM
Subject: Last items: Re: ant, mobile rig...misc.

SOLD!! > DSW-20 + Anodized Case ** UNBUILT ** $135 shipped CONUS!!!
SOLD!! > MH-C777 Universal Charger, Like New $35

72/3 Rod, N0RC -- Fort Collins, CO

Date: Thu, 10 Aug 2000 15:14:42 -0600

From: "Marshall Emm" <mgemm@mtechnologies.com>
To: Qrp-l@lehigh.edu
Subject: [77064] WARNING re License Renewals and ULS
Message-ID: <3992C6E2.1388.110FD99@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

A friend of mine wanted to request a vanity callsign via the FCC's ULS system. When he attempted to register with ULS he was told that he was already registered. When he attempted to log in, he was asked for a password, which he did not have. Here's what happened--

>From the QRZ license renewal page, he had filed for a renewal and change of address, through W5YI VEC which has some association with QRZ. He paid the $6 fee for this service..

In performing the update, W5YI registered him with the ULS, but did not obtain a password for the ULS system.

This all became apparent when my friend wanted to apply for a vanity call which was reaching the end of it's 2-year hold. He was unable to access the system, and unable to apply for the vanity call.

He called W5YI and was told somewhat "shortly" that he would have to take it up with the FCC-- fax them some identifying info and request a password. When he complained that W5YI was registering him with ULS but not giving him access and which he would need for any changes later, he was told "that's ok, you can do it through us." After paying a fee, of course.

He called the FCC and was told that the only problem was that phone numbers come through on only one W5YI registration in ten. The FCC officer also advised him to send a paper application overnight. But of course three other hams had applied for that callsign in the meantime, electronically, so time, effort, and money (fedex is not cheap) were wasted. Just for the record, the FCC officer actually said "I don't know why someone would pay these guys $6 when we have made it so easy for you to do it for free."

Bottom line warning-- if you pay $6 to QRZ/W5YI to have them process your renewal or a change of address, you really should register yourself with the ULS *first*, so that a password will be assigned and you can have access to your ULS account. Of course, if you can do that, you might as well do your own filing and keep the $6.

Marshall Emm, N1FN
Milestone Technologies, Inc.
(303) 752-3382
http://www.mtechnologies.com

Date: Thu, 10 Aug 2000 17:35:12 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [77065] FOX K0EVZ *tonight*
Message-ID: <200008101735_MC2-AF50-5C7A@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
      charset=ISO-8859-1
Content-Disposition: inline

Gang:

A last minute reminder--K0EVZ will be the summer FOX tonight at 2100EDT
(which is 0100Z, 11 September 2000). That's only 3.5 hours from now. I
posted the requisite notice yesterday, but just wanted to jog your memory=

:-). Hope to work absolutely *every* hunter, so don't give up. Never kn=
ow
when the propagation might suddenly open to your area. =

Until tonight, GL one and all. I am looking forward to the hunt.

72/73,
--W.D. (Doc) Lindsey
   DSBF
   PO Box 6028
   Bismarck, ND 58506
   (Shipping =3D DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)
   E-Mail =3D K0EVZ@arrl.net

Date: Thu, 10 Aug 2000 14:46:30 -0700
From: Mighty Mik <mightymik2@home.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [77066] Re: Telephone toroids?

Message-ID: <4.3.2.7.0.20000810144416.00a958f0@24.0.0.70>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 07:08 PM 8/10/00 +0100, you wrote:
>Folks,
>
>I'm looking for a dozen or so of the old telephone toroids (remember them?).

Weren't these used for many RTTY demodulator projects?

>They once came in tightly wrapped packets of 5 with a value of either 44 or
>88 mH. As I remember, some fellow in Philadelphia was selling them for about
>$2 per pack. But that was 30 years ago! I don't suppose that "Mr.
>Philadelphia" is still around (?).
>
>Anyone know where I can find a bunch of these? I have some in a junk box
>but not enough.

I wonder what the equivilent Txx-x or -xx toroid is?

>Thanks,
>
>Bob Myers, W1XT
>Phoenix, AZ
>bmyers@primenet.com

Date: Thu, 10 Aug 2000 15:49:39 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [77067] Re: 2SC2166C in Argonaut
Message-ID: <Pine.LNX.4.10.10008101546500.1586-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Happy to say I already got a data sheet in .pdf form from a good Ham and
this looks like a real good transistor! It will make 5 watts with just one
of them. with the push-pull circuit in the Argonaut we should get close to
10 watts with full drive. Just like the K-2 does....

On Thu, 10 Aug 2000, Karl F. Larsen wrote:

>
>   In my quest to soup up my old but good Argonaut I got advice from
> Rf Parts that the 2SC2166C is a TO-220 case transistor good for 5 watts of
> RF output over the HF bands. I took their device and would like someone

Yours Truly,

      - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Thu, 10 Aug 2000 15:49:32 -0700
From: Torell Kent-P12255 <Kent_Torell-P12255@email.mot.com>
To: "'qrp-l'" <qrp-l@lehigh.edu>
Subject: [77068] Bubba!
Message-ID: <6D3B40A2556FD2118B0D0008C7BA848C033B1327@az25exm01.geg.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"

Do you have what it takes to be a top BUBBA? The competition is keen! Look at some of the results from the '98 BUBBA contest:

  N4BP FL 130 HI 2,323,200 950mW
  N4ROA VA 93 HI   691,088 5W
  N5TW (Multi) TX 98 HI 613,680 950mW
  N2TO NY   88 HI   191,600 5W
  NQ7RP AZ 75 F   186,750 5W
  NQ7X AZ   88 F   162,000 5W
    ...and, at the bottom of the list,
  AB7OA AZ 105 HI   2,520 5W

Bob Patton sweats to victory, taking advantage of all the multipliers: qrpp power, outrageous heat and humidity index, and multi-band contacts with NQ7RP. I, on the other hand, sweated it out, but only managed a few contacts (I was third hottest, though).

BUBBA 2000 promises to be another hot contest, with certificates to the highest score, the hottest temp, and the lowest temp!

The club station NQ7RP will be manned by our top FOX nabber, Floyd, NQ7X, so it should be easy to nab the extra 10,000 bonus points per band!

So, set aside some time and some cool refreshments to keep you going the afternoon of August 26! Details on BUBBA Bob's web site:
     http://www.extremezone.com/~nk7m/bubba00.htm

Kent Torell AB7OA keeper of the BUBBA scores
p12255@email.mot.com Motorola SSG Scottsdale, AZ
480-675-2003(phone) 480-441-8400 (fax)

End of QRP-L Digest 1909
****
